ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1904.

(1903-1904.)

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1904.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

1. Alteration in area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1903.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1904.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle.					
Reserved forests	6,157	(b) 161	(a) 2	+ 159	6,316
Do. lands	578	(d) 115	(c) 19 (e) 10 (f) 161	− 75	503
Total ..	6,735	276	192	+ 84	6,819
Central Circle.					
Reserved forests	6,946	(a) 1 (b) 58	(a) 1 (c) 3	+ 55	7,001
Do. lands	336	..	(c) 6 (e) 8 (f) 58	− 72	264
Total ..	7,282	59	76	− 17	7,265
Southern Circle.					
Reserved forests	4,554	(b) 52	..	+ 52	4,606
Do. lands	884	(d) 41	(c) 2 (e) 2 (f) 52	− 15	869
Total ..	5,438	93	56	+ 37	5,475
Total.					
Reserved forests	17,657	272	6	+ 266	17,923
Do. lands	1,798	156	318	− 162	1,636
Grand Total ..	19,455	428	324	+ 104	19,559

(a) Revision of area. (c) Disafforested or unreserved. (e) Excluded at settlement.
Transferred from reserved lands. (d) Newly constituted reserved lands. (f) Transferred to reserved forests.

E
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2. The total area under the control of the department rose during the year from 19,455 to 19,559 square miles. The increase of 104 square miles arose from the notification, under section 4 of the Forest Act, of fresh areas chiefly in the districts of Ganjám, Bellary, North and South Malabar.

Appendix E.

Reserved Forests.

Two hundred and seventy-one square miles were constituted reserved forests during the year. Three square miles were disafforested for extension of cultivation under the Chapad project in *Cuddapah* and two had to be deducted on a more correct computation of the areas notified in previous years, leaving a net addition of 266 square miles.

Appendix B.

Reserved Lands.

One hundred and fifty-six square miles were added during the year. On the other hand 47 square miles were excluded at settlement or unreserved to provide for extension of cultivation and for exercise of communal privileges and 271 square miles were transferred to reserved forests. The total area at the end of the year was 1,636 square miles and of this 1,119 square miles were reserved lands notified under section 4 and brought under settlement, 167 square miles leased forests and the remaining 350 square miles reserved lands notified under the rules published under section 26 of the Forest Act.

Appendices C and E.

2. Forest Settlement.

3. One hundred and forty-eight blocks covering an aggregate area of 1,175 square miles remained to be finally constituted reserved forests at the commencement of the year and adding to this 42 blocks with an area of 241 square miles notified for settlement during the year; there were on the whole 190 blocks comprising an area of 1,416 square miles. Seventy-one blocks covering an area of 271 square miles were constituted reserved forests and two blocks with an area of 6 square miles were abandoned, in addition to 20 square miles excluded during settlement, leaving 117 blocks with an area of 1,119 square miles to be declared reserved forests at the close of the year. Of these 15 blocks comprising 20 square miles were notified under section 16 during 1903–1904 their reservation taking effect only after 30th June 1904 and 30 blocks covering 265 square miles practically settled leaving 72 blocks with an area of 834 square miles under settlement. Of these 7 covering in all only an area of little over a square mile were being settled by the Revenue Divisional officers and the rest by the two Special Forest Settlement officers.

Columns 40 and 41 of Appendix C.

Columns 8 to 11 of Appendix C.

The cost incurred during the year on account of the pay of the Special Forest Settlement officers and their establishments, for the survey and demarcation of enclosures, etc., and for the payment of compensation for private lands included within reserves settled amounted to Rs. 29,751. This is exclusive of the cost of the Special Forest Settlement Establishment entertained by the Board of Revenue.

Besides the 834 square miles mentioned above and 350 square miles of reserved land referred to in paragraph 1, about 264 square miles of unreserved land (200 square miles in Anantapur, 52 square miles in Madura and 12 in North Coimbatore) also remained to be finally notified under section 16 making the total area to be dealt with by the Forest Settlement officers at the close of the year 1,448 square miies.

3. Demarcation.

4. One thousand and five miles of boundary lines were demarcated at a cost of Rs. 15,962. Compared with the previous year there was a decrease of only 192 miles in the total length of lines demarcated. The shorter outturn is mainly due to the work in several districts approaching completion. The system adopted in demarcating the boundaries of reserved forests was by clearing the lines and by construction of cairns or the planting up of stone slabs. The average cost per mile for the Presidency shows a

slight increase compared with the rate of the previous year. The work cost more chiefly in *South Canara* and *Tinnevelly*. The apparently very large increase in *South Canara* is attributed to the construction and planting of slabs over several hundreds of miles cleared in previous years; while in *Tinnevelly* more cairns had to be erected owing to the tortuous boundary of the reserves demarcated. There remained at the close of the year 1,722 miles still to be demarcated. A length of 6,375 miles was cleared at a cost of Rs. 4,268 against 4,735 miles at a cost of Rs. 4,949 in the previous year. A length of 3,522 miles was cleared by forest subordinates free of cost against 4,393 miles in the previous year.

4. Forest Surveys.

(a) *By Survey of India Parties.*

5. As in previous years the combined Parties, Nos. 9 and 19, of the Survey of India worked in sections each under the immediate charge of a responsible officer. The outturn of their work is shown in the following statement:—

District.	Triangulation.	Traversing.	Topography.
	SQ. MLS.	MLS.	SQ. MLS.
Ganjám	..	105·53	192
Gódávari	1,000	100·43	..
Kistna	289	26·68	332 (Kistna and Kurnool)
Kurnool	..	..	
Chingleput	70	..	..
Trichinopoly	150	..	..
South Canara	428	10·68	177
North Coimbatore	..	12·24	102

The cost of the operations during the year is compared with that of the two previous years in the subjoined statement:—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1901-1902.	1902-1903.	1903-1904.	1901-1902.	1902-1903.	1903-1904.
				RS.	RS.	RS. A. P.
Triangulation (square miles) ..	1,680	2,030	1,937	5	5	9 3 8
Traversing (linear miles)	414	538	256	14	13	18 13 0
Topography 4″=1 mile (square miles).	1,306	1,411	803	59	58	(a) 98 2 11

(a) Includes revisionary survey.

The decrease in area and increase in cost were due in a measure to the excessive unhealthiness of some of the tracts surveyed and to the consequent difficulty of obtaining labour.

In *South Canara*, a consistent programme of work could not be framed for want of definite information and the survey of small scattered areas had therefore to be carried out. This fact also contributed to the enhancement of the rates.

The outturn under "traversing" was advisedly kept low in order to avoid unnecessary expense. The area topographically surveyed, *i.e.*, 803 square miles includes some 96 square miles of resurvey of former season's work in North Coimbatore. Much of this area had to be surveyed by chain because of the density of the undergrowth. This was especially the case in *Gódávari* and the plain parts of *South Canara* and *North Coimbatore*.

The actual expenditure for the survey year including cost of instruments was Rs. 1,04,455 against Rs. 99,664 in 1902–1903. The amount debitable to the Forest Department excluding the contribution of the Government of India amounted to Rs. 70,033 as against Rs. 64,881 in the previous year.

The health of the parties generally was bad and the labour difficulty in *Gódávari* assumed an acute phase, as local labour was almost unprocurable and that imported would not face the unhealthy climate. *South Canara* also was as usual unhealthy. The effects of sickness, chiefly malaria, contracted during the field season

have been severely felt throughout the recess and have seriously interfered with the progress of mapping. The outturn was also interfered with by Bubonic plague in Bangalore for the native members of the parties living in the bazaars were constantly subjected to segregation.

The season's work was verified by the District Forest Officers of *Gódávari*, *South Canara*, *Kurnool* and *Kistna* who visited Bangalore for the purpose.

The District Forest Officer of *North Coimbatore* did not verify the surveys of his district which were in consequence withheld from publication. Thirty-two sheets including 19 sheets partially drawn last year have been mapped. Owing to incomplete verification of forest boundaries 4 sheets of *Cuddapah*, 9 sheets of *Kurnool*, 1 sheet of *South Canara* and 4 sheets of *North Coimbatore* were withheld from publication, while 3 sheets of *Cuddapah* were sent for publication as provisional issues pending settlement of boundaries under dispute. The demarcation of the *South Canara-Mysore* boundary was still pending execution.

(*b*) *By Departmental Survey.*

6. In *Ganjám*, 56 miles of enclosure boundaries in Pondakhol reserve and 70 miles of fire lines were surveyed and traced by surveyors, while 77 miles of boundary surveys were effected by the Range officers and their subordinates. The surveyor in *Vizagapatam* prepared contour maps for seven reserves. In *Gódávari*, a surveyor was engaged solely in the survey of the boundaries of six reserves in the Peddápur Range aggregating 117 miles. In *Kurnool*, the enclosures in the Gani reserve were surveyed, as also the unsurveyed fields in the reserves under settlement which were correctly localized in the reserve maps. In *Cuddapah*, the portion of the Kálahasti Zamindari, wrongly included in the Gangapenta reserved forest, was surveyed by a forester and the record of his measurements and the plotting were sent to the Survey of India party for verification and necessary correction of the reserve map. In *North Salem*, two surveyors were at work, one on surveying coupes, tracing ghât roads and preparing estimates and plans also maps for the Forest-settlement officer, and the other for a short time on tracing a ghât road. In *South Salem*, there were also two surveyors on duty but only for short periods. They were employed in the survey of the fuel coupes in the Harur Range and in resurveying the land applied for for coffee cultivation on the Shevaroys, the work done by the previous surveyor being incorrect. The boundary of the Vellalagundam reserve in the Salem East range was also traversed with a view to the publication of an amended boundary notification, the cut boundary not tallying with the original notification. In *South Canara*, three blocks of 16 square miles were surveyed and preliminarily demarcated by a temporary surveyor assisted by a forester. In *South Malabar*, 23½ miles of boundary were surveyed by the Forest Ranger, Palghat, in the Silent Valley Reserve and in *South Coimbatore*, certain coffee estates on the Anamalais were also surveyed.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation and Control of Working-plans.*

7. During the year working-plans for 1,072 square miles were sanctioned by the Board of Revenue and plans for 1,770 square miles were under preparation at its close. As compared with the previous year the outturn was less under both heads, the reasons for which will be found below.

Besides the cost of the working-plans officers and their office establishments an additional expenditure of Rs. 1,878 was incurred under this special head.

The prescriptions of the working-plans were generally adhered to except for slight deviations in the area or the year prescribed for working and these were in most cases sanctioned by the Conservator. Alterations in the order of exploitation of Asanampet and Vellakal bamboo working circles of *North Arcot* district were proposed and sanctioned by the Board of Revenue. No revisions of working-plans were made

or proposed during the year except in the case of the Sandúr leased forests in Bellary. There remained at the close of the year an area of 10,667 square miles for which working-plans were still to be prepared.

Work of the Special Working-plans Officers.

Northern Circle.—Mr. Cowley-Brown, the special working-plans officer, who returned from leave in September 1903, prepared and submitted working-plans for the sâl forests of Suruda and Buguda ranges, *Ganjám*, and their sanction by the Board is awaited. He inspected a portion of the forests of the Nallamalais, *Kurnool*, covering an area of about 170 square miles. The working-plan for this was under preparation at the close of the year.

Central Circle.—Extra Assistant Conservator, M.R.Ry. V. S. Gurunatha Pillai, continued to be the special working-plans officer. Chittoor working-plan, prepared by him and referred to in the last year's report was sanctioned this year. He inspected the North Arcot and South Arcot Javadi Hill forests and prepared a reconnaissance report which was approved by the Conservator. He submitted the working plans for the Chandragiri and a supplemental plan for the Ambur forests within the year and they were sanctioned by the Board after its close.

Southern Circle.—No special working-plans officer was employed in this circle during the year, but Mr. P. M. Lushington continued to be in charge of the work in addition to his duties as District Forest-officer, North Coimbatore. Working plans for Terkuviravanallur in *Tinnevelly* and Madeswaranmalai and Bailur sandalwood areas in *North Coimbatore*, covering an aggregate area of 57·32 square miles, were prepared by him and sanctioned by the Board. In *South Canara*, no progress was made.

The following is the summary of the work done in each district in this direction :—

Northern Circle.—The following working-plans were sanctioned during the year :—In *Ganjám*, the supplemental plan for the sâl areas of 281 square miles of Mojjaguda and Kukuluba ranges; in *Vizagapatam*, a working-plan for Sinivaram and Dharakonda reserves comprising an area of 122 square miles; in *Kurnool*, working-plans for 75 square miles of the Veldurti, Kurnool and Dhone working circles; and in *Anantapur*, working-plans for 230 square miles of Penukonda and Madaksíra ranges. Under these working-plans, the first and the third areas are to be worked for coppice with standards, the second to undergo improvement fellings, and the last under permits for dead wood and grass. The following plans submitted to the Board are awaiting sanction :—in *Kistna*, the Kondapalli working-plan; in *Bellary*, the revised working plan for the Sandúr leased forests (the sanction for which has been deferred until the question of the renewal of the existing lease after its expiry in 1907 is settled); and in *Anantapur*, Kalyandrug range working-plan for 76 square miles. The following were under preparation :—In *Ganjám*, the working plan for Mohiri reserve; in *Vizagapatam* plans for 61·87 square miles of Palkonda range, for 20 square miles in Karaka reserve, 6·79 square miles in Kosavatipudi working circle and 29·81 square miles of Saragudu reserve; in *Bellary* a plan for 24 blocks in Adóni range covering an area of 46½ square miles; and in *Anantapur*, for the Pamidi range, 127 square miles. In *Gódávari*, Extra Assistant Conservator Mr. N. M. Rego, specially deputed for the preparation of working plans, submitted a reconnaissance report for 183 square miles of Peddápur range and also inspected the reserves of the Rajahmundry range (52 square miles). In *Kistna* preparatory to regular working plans large areas were being worked on a fixed rotation of coupes with some idea of creating a demand and securing statistics.

Central Circle.—In *Cuddapah*, the preliminary plans commenced by Mr. N. M. Rego were not proceeded with owing to his transfer to the Northern Circle and pending the posting of the special working-plans officer to the district. In *Nellore*, a working plan for the Venad and Pernad reserves in the Sríharikóta range was submitted to the Board during the year and it has since received its sanction. A consolidated working plan for all the reserves in the Rapur range covering an extent of 254 square miles was under preparation. The working plan for Kanuparti and Kottapatam plantations of the Ongole taluk which was under preparation and since submitted to the Conservator

of Forests, Central Circle, was transferred to the Northern Circle for disposal, as the Ongole taluk forms a portion of the new Guntúr district from 1st October 1904. Reconnaissance reports for all the working circles in the *Chingleput* range were approved by the Conservator and a working plan for the same was under preparation. In *North Arcot*, work was done by the special working-plans officer as already observed. A reconnaissance report for the reserves in the Arcot, Wallajah and Wandiwash taluks was prepared by the Extra Assistant Conservator, M.R.Ry. Maduranayagam Pillai, and approved by the Conservator. In *South Arcot*, for want of staff no progress was made during the year. The reconnaissance reports for six working circles of the Kallakurichi range including the three referred to in previous year's report and revised afterwards, were approved by the Conservator. In *North Salem*, a working plan for 21 square miles of Uttankarai range and another for Tiruppattúr range for 138 square miles were sanctioned by the Board. In *South Salem*, working plans for the Shevaroys Central and Vanavasi working circles comprising an area of 36 square miles were sanctioned. Working plans for the Atur and Salem East ranges covering an extent of 111 and 110 square miles, respectively, prepared by Extra Assistant Conservator, Mr. Daly, on this special duty, are now before the Conservator. In *Tanjore*, reconnaissance reports for eight reserved forests comprising an area of 5 square miles were approved by the Conservator. In *Trichinopoly*, necessary data for the preparation of working plans were being collected during the year. Under the sanctioned working plans, the forests of Vanavasi, Chittoor, and Uttankarai and fuel circles of Tiruppattúr are worked for coppice with standards; the Shevaroys Central plan provides for regeneration and improvement by planting and sowing; and the timber-working circles of Tiruppattúr are to be under selection fellings for five years and improvement fellings during sixty years.

Southern Circle.—In *North Coimbatore*, a rough plan was drawn up for Erode range and coupes marked accordingly, in addition to the working plans of Bailur and Madeswaranmalai already referred to. No working plans were prepared during the year in *South Coimbatore*, but it is reported that the existing plans for Tunacaduvu and portion of Pollachi ranges require revision. In *Madura*, plans have to be prepared for Kodaikánal and Tandigudi ranges of 263 square miles. Necessary data were being gathered and experimental coupes opened in these ranges during the year. In *Tinnevelly*, the District Forest officer prepared a working plan for the Sivagiri zamin forests and the question of recovering the cost for the same from the zamindar was under correspondence. Coppice with standards is the system prescribed for the Terkuviravanallur working plan and selection felling for the Bailur and Madeswaranmalai working plan. The selection felling here proposed is a combination of a thinning (extraction of dead and dying trees) with the final felling of a high forest method.

(*b*) *Annual Plans of Operations.*

8. The annual plans of operations were generally adhered to except in the following instances:—

Northern Circle.—In *Gódávari*, certain coupes in Rajahmundry left unworked in the previous year for want of demand were worked along with the current year's coupes with a view to bring the working-plan prescriptions up to date. In *Kurnool*, all the road works were not completed owing to insufficiency or illness of range officers or establishment. The final demarcation of Kothaburuzu, Yeddapenta, Panem, Pattikonda, South Veligonda and its extension reserves was not carried out, as the estimates for the former two reserves were sanctioned late in the year and for the rest after its close. In *Bellary*, the felling in Chiribi reserve was not carried out owing to a change in the executive staff. Felling operations and collection of deadwood in certain ranges were not conducted departmentally for want of establishment to supervise, but the right to fell and collect was leased or sold by public auction. In *Anantapur*, Dokkalakonda road work was completed up to the sanctioned amount, but it was found necessary to extend it by $1\frac{3}{4}$ miles to make the traffic complete.

Central Circle.—Departmental operations in the Badvel and Proddatur ranges of *Cuddapah* were not undertaken, as the coupe fellings in Cuddapah and Sidhout ranges were more emergent. The leasing of fuel or timber in Pullampet range had to be

continued for departmental works could not be arranged. In *Nellore*, the construction of the range office building at Podalakur was not completed owing to the default of the contractor and the consequent cancellation of the contract. Many of the coupes in Rapur and Kávali ranges were not sold for want of demand and fewer coupes were sold in the *Chingleput* district for the same reason. In *North Arcot*, the collection and supply of agricultural implements were for the most part made only through contractors and not departmentally as originally proposed, the establishment being otherwise fully occupied. The fuel depot proposed to be opened at Tirupati was considered unnecessary for want of demand. Heavy rains prevented the collection of grass during the season for the purpose of hay-making. The construction of certain roads and buildings was postponed, pending alignment and personal inspection by the District Forest-officer. Rectification of demarcation work was undertaken only to a small extent. In *South Arcot*, though the plan of operations was not carried out in its entirety on account of pressure of offence business and changes or illness of the range staff, yet marked improvement is reported to have been made during the year in the preparation and disposal of coupes in all ranges. In *North Salem*, certain fuel and timber coupes provided for in the working plan were not worked on account of cessation of firewood supply to the Railway and want of other demand for the produce. Four other timber coupes not prescribed for the year were exploited for supply of timber to the poor at Vániyambádi who lost their houses during the recent floods. Felling of timber on the Javadis and construction of a bridlepath, two cart-tracks and one rest-house were also not undertaken partly owing to want of demand and to the establishment being engaged on other urgent duties and partly to the outbreak of plague. The construction of certain buildings and paths in *South Salem* was not started and of some others not completed owing to the early setting in of the rains and to pressure of offence work. The land for the District Forest-officer's garden and the Shevapet depot site in Salem town and the fields in Mannur reserve were not acquired, as the proceedings under the Land Acquisition Act were not complete. In *Trichinopoly*, certain coupes in the Udaiyárpálaiyam and Vaiyampatti ranges were not exploited for want of demand.

Southern Circle.—The construction of a cart-track in Coondapoor range, the reconstruction of a rest-house at Ullur and creeper cutting in certain reserves in the Coondapoor and Udipi ranges were deferred for want of funds. Four guards' huts, one at Durgamale and the rest in Uppinangádi range, were not constructed in order to carry out other important works and two more huts in Puttur range were not also built as the redistribution of the guards' charges was under consideration. The felling and transport of timber from Puttur range to Mangalore were not done, there being sufficient timber on hand out of trees previously felled for sleeper operations. Bamboos were not cut departmentally partly owing to want of funds and partly to the establishment being otherwise engaged. Demarcation of two reserves in Uppinangádi range was not undertaken their final notification under section 16 being delayed. In *North Malabar*, the sanctioned working plans of Chedleth and Begur ranges were not fully worked up to on account of heavy work in connection with fire-line clearing. In *South Malabar*, the construction of Karimalai bungalow and foot-path and the fencing of Aravillikava teak plantations and some other works had to be deferred in order that the funds allotted for these might be utilized for more urgent works, viz., the supply of fuel to the Madras Railway Company, sleeper operations, construction of water reservoir on the Nilambúr hill, etc., which were not provided for in the budget. In the *Nilgiris*, bamboos were not extracted according to the provisions of the working plans on the Jackanaru slopes, for there were no tenderers. Benne forests having been under working without a plan it is thought expedient to give them rest. In *North Coimbatore*, the anticipated expenditure on sandalwood, minor produce and buildings was exceeded owing to the payment of shipping charges for the sandalwood sent to the home market, to an unexpected large crop of gallnuts and to the necessity of finishing the incomplete works of the previous year. In *South Coimbatore*, the repairs to certain roads, bridlepaths and buildings had to be postponed to provide for more urgent works not budgeted for, viz., felling fuel for supply to the Madras Railway Company, construction at Mount Stuart of a new bridge at Sawmill, extension of water-supply pipe line, and repairing and strengthening the bank near Sawmill. In *Madura*, the quantity of fuel supplied to the South Indian Railway was larger than anticipated. In *Tinnevelly*, the supply of fuel to the Local Fund department, was undertaken though not originally anticipated.

2. Communications and Buildings.

9. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1902-1903.	1903-1904.
	RS.	RS.
Roads and bridges	43,604	42,265
Buildings	53,739	45,770
Miscellaneous works	9,806	11,032

The only noticeable difference is the decrease under "Buildings" which occurs in *Southern Circle*, and is distributed over the districts of *South Malabar*, *North* and *South Coimbatore*. The slight increase under miscellaneous works is due to the cost of the one-mile mono-rail purchased in *Gódávari* having been included under this head.

(a) *Roads and Bridges.*

All the roads under this head are of a permanent nature. The important works done in the *Northern Circle* were the cutting of inspection and bridle-paths along new block lines in *Ganjám*, the improving of timber tracks in the Rékapalle hill reserve of *Gódávari*, completion of Deguvametta-Malkondapenta and Adutla-Tekulapenta roads, and repairs to Mantralakanama ghát road in *Kurnool*. In the *Central Circle*, the Pennagaram-Anaibiddahalla road (11½ miles long) under construction and repairs in *North Salem*, referred to in the previous year, was completed, a ghât road in continuation of the above to Anchetti about 18 miles, was traced and aligned, and repair of the old Denkanikota-Sameri road was commenced at the close of the year. In *South Salem*, Mallápuram ghát road was metalled for a mile and a furlong from the Mallápuram Railway station and repaired from the 2nd to the 8th mile. The completion of the cantilever bridge at Muthanga in the Chedleth range of *North Malabar*, the construction of Mutheri bridge in *South Malabar*, conversion of the Gundila valley bridlepath into a cart-track in *North Coimbatore*, and construction of two bridlepaths and two roads in *Madura* were the chief works in the *Southern Circle.*

Tramways.—In the *Nellore* district, Sríharikóta range, 7,344 tons of produce were carried, or 29,376 ton-miles were run as against 8,584 tons or 21,460 ton-miles in the previous year and in the Coast range adjoining about 11,686 tons or 17,850 ton-miles against 7,879 tons or 22,285 ton-miles. During the year a sum of Rs. 2,778 was spent on the purchase of 80 pairs of wheels and axles, and Rs. 992 towards repairs to tramway materials. In *South Coimbatore* the total quantity of timber trammed during the year was 1,501 tons, or 6,907 ton-miles against 913 tons or 2,898 ton-miles in the previous year, of which 867 tons were drawn by Government agency and 634 by hired bullocks. The results of working show, as usual, profit in *Nellore* and loss in *South Coimbatore.* But the loss in the latter district is only Rs. 207 or Rs. 1,907 less than that of the previous year as the quantity trammed was 588 tons more owing to working departmentally instead of through a contractor.

(b) *Buildings.*

The most important works in the *Northern Circle* were, in *Ganjám* the construction of a combined office building for the Mojjaguda and Kukuluba Ranges and the Russellkonda depot, in *Vizagapatam* a new Ranger's quarters at Narasapatam, in *Gódávari* one rest-house at Samanamalla and another at Malkapuram in *Kurnool*, and the completion of the Gazilibadi rest-house in *Ganjám* and another at Chelema in *Kurnool.* In the *Central Circle*, a rest-house at Potlur in *Nellore*, another at Harur in *South Salem* and Nadanur bungalow in *North Arcot*, were the principal buildings constructed during the year. In the *Southern Circle*, a rest-house was constructed at Kombar in *South Canara*, and another at Nedungayam in *South Malabar.* Owing to a landslip the work on the new building at Nadugani in *Tinnevelly* was stopped. Another site was selected and building work was in progress.

(c) *Miscellaneous works.*

Under "Miscellaneous works" the amount was chiefly spent in constructing wells, etc., in order to secure a better supply of water. Under this head was adjusted the cost of the one mile of mono-rail purchased for Bendamurlanka plantation in the *Gódávari* district.

3. Protection of Forests.

(*a*) *General Protection.*

10. The following table shows the offences reported against Forest law :—

Circle.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	14	1,060	632	85	1	1,475	935	112	112	126	29	15	127	2,661	1,596	212	4,596
Central ..	8	1,825	1,617	176	3	5,296	2,992	272	249	561	155	15	260	7,682	4,764	463	13,169
Southern ..	27	550	347	136	13	1,691	823	217	134	42	126	12	174	2,283	1,296	365	*4,118
Total ..	49	3,435	2,596	397	17	8,462	4,750	601	495	729	310	42	561	12,626	7,656	1,040	21,883
Total for 1902-1903.	74	3,411	2,591	490	14	8,258	6,253	816	382	467	314	55	470	12,136	9,158	1,361	23,125

* Exclusive of 1,244 petty offences concerning 1,459 persons who were merely admonished.

Compared with the average of the three previous years, the number of cases reported was fewer by 1,118, the decrease occurring mainly under "grazing" but also under "other offences". There was a slight increase under the other two heads.

Under "grazing" the number reported on was less chiefly in *Kistna* and *North Arcot* while in *Anantapur*, *North Coimbatore*, *Madura* and *Tinnevelly* there was a noticeable increase. The fall in *Kistna* is ascribed to the special measures adopted to prevent the commission of offences and that in *North Arcot* partly to there being less compounding and partly to more cattle being licensed. The increase in *Anantapur* having been accompanied by a fall in the grazing revenue, it is attributed by the Collector to wilful connivance on the part of the subordinates. The Acting Conservator, Mr. Lushington, remarks that—

> "He cannot help feeling that the penal sections of the Forest Act are being largely abused by the subordinates, and that it would be a very good thing if there could be a thorough investigation into the working of the Act. There is no doubt but that there is an enormous amount of illicit traffic which the majority of the subordinates will not put down unless it suits their own private purposes."

The increase in the other three districts is declared to be the result of increased vigilance on the part of the subordinates and of stricter and closer supervision.

Under "other offences" the decrease occurred mainly in *Kurnool* and *North Arcot*. In the former district, cases of unauthorized cultivation was less than in the previous year and in the latter it is due to the incorrect classification under this head in the previous year of offences connected with the illicit removal of grass and manure leaves.

The number of reported cases in which the offenders were undetected was 1,576 against 1,218 in the previous year. The increase occurred chiefly in *Anantapur* and *North Coimbatore* under "fires" and in *Kurnool* and *South Arcot* under "unauthorized felling".

The number of cases pending at the beginning of the year was 3,725 and at its close 2,982, of which 1,190 were with Magistrates.

11. The following statement shows the result of cases brought to trial :—

Circles.	1902–1903.		1903–1904.		Percentage of failures.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1902–1903.	1903–1904.
Northern	1,368	162	1,791	151	10·58	7·77
Central	3,981	345	3,450	315	7·97	8·36
Southern	746	137	863	135	15·51	13·52
Total ..	6,095	644	6,104	601	9·55	8·96

Besides the 6,705 cases shown above, 467 cases were withdrawn under the orders of the District Forest Officer. The percentage of convictions obtained is 91·04 against 90·45 in the preceding year.

12. The following statement compares the number of cases compounded and the compensation fees realized with the figures of the previous year :—

Circles.	1902–1903.		1903–1904.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		RS.		RS.
Northern	2,809	18,225	2,040	15,052
Central	9,403	56,435	8,203	56,429
Southern	1,453	9,896	2,461	19,303
Total ..	13,665	84,556	12,704	90,784

The number of cases compounded decreased by 961, which is chiefly due to the reduction in *North Arcot*, where prosecution was resorted to in cases other than of a very trifling nature. There was a marked increase in the amounts realized in *Madura* and *South Canara*; in the former district from the levy of heavier compounding fees and to the increase in the number reported and compounded, and in the latter district to the fact that a timber theft case was compounded for Rs. 1,200. The Collector has reminded the District Forest Officer that the compounding of such cases is opposed to the wishes of Government. There was also a noticeable decrease in realizations in *Bellary* and *North Arcot* where fewer cases were compounded. This decrease in the case of *North Arcot* is considered by the Conservator to be due to a considerable extent to the remarks of the Board drawing attention to the fact that the increase in the offence returns was *primâ facie* reason for doubting the efficiency of the administration. They were received by a Provincial Service officer in district charge who followed an officer who had judged his Rangers' efficiency by the number of the offences they reported.

The whole question of Forest offence has been dealt with by the Conservator of Forests, Central Circle, in a note which has been placed before Government and the conclusions arrived at are that the number of Forest offences reported may be considered a healthy sign of energy in detection and that so long as care and consideration are shown in the disposal of the cases it can only be hoped that fewer offences will be committed and fewer remain unreported.

13. The punishments inflicted by the Magistrates were on the whole satisfactory, except in *Nellore*, where there were more acquittals in grazing cases. This is due to the cattle owners letting their animals stray without a herdsman in charge of them in order to escape being brought to trial. There were few noteworthy cases in the year. In *South Coimbatore*, 62 Moplahs were convicted of illicit felling of timber worth about Rs. 400 in the Bolampatti forests.

(b) *Protection from Fire.*

14. The system adopted differed little from that of previous years. In rigidly protected areas, the boundaries of the blocks were fire traced and internal fire lines were

also cleared in some districts; in addition patrols were appointed to keep the lines clear of dead leaves and other combustible matter and to be on the look out for fires. In partially protected areas fire patrols alone were appointed in some districts to watch the fires. The breadth of the lines cleared and fire traced varied in several districts and within each charge.

The area subjected to special measures amounted as shown in Form No. 51 to 5,641 square miles against 5,545 square miles in the preceding year. Of these, 5,103 square miles were successfully protected against 5,031 square miles in the previous year. The proportion of failures rose slightly from 9·27 per cent. to 9·5 per cent., and the cost per square mile successfully protected rose from Rs. 7–6–5 to Rs. 8–11–0. The proportion of failures in rigidly protected areas was only 8·5 per cent.

15. The following statement shows the number and origin of the fires in the several districts:—

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserve or fire-traced areas. Owing to carelessness or accident. By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	4	11	7	1,158	10	630	17	374	..	..	..	..
Vizagapatam	..	..	2	1,920	155	5,803	..	..	..	..	..	..
Gódávari	10	3,122	7	275	1	1	18	674	..	..	..	..
Kistna	1	50	1	7,140	1	..	18	30,530	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	1	..*	..	..	..	..
Anantapur	1	2	1	16	..	..	5	1,006	1	800	1	2
Total, Northern Circle ..	16	3,185	18	10,509	167	6,434	59	32,584	1	800	1	2
Central Circle.												
Cuddapah	1	40	5	23,482	5	21,360	..	..	2	530	..	..
Nellore	..	..	17	3,442	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	1	..†	..	..
North Arcot	3	248	22	6,175	20	3,268	9	1,407	..	..	..	..
South ,, ...	1	5	..	..	..	..	1	..	..	..	..	..
North Salem	..	..	..	..	..	..	10	2,886	..	..	..	..
South ,, ...	..	..	..	..	1	15	15	1,833	..	..	..	..
Trichinopoly	1	5	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	6	298	44	33,099	26	24,643	35	6,126	3	530	..	..
Southern Circle.												
South Canara	2	12	7	104	..	..	49	1,313	..	..	..	..
North Malabar	2	33	1	40	..	..	..	..	..	..	..	..
South ,, ...	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	2	680	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	..	..	6	1,652	1	·12	..	..	..	..	..	..
South ,, ..	..	..	3	3,276	..	..	5	1,694	..	..	..	..
Madura	..	..	9	775	1	200	3	13	..	..	..	..
Tinnevelly	1	50	4	55	6	864	1	5	..	..	1	5
Total, Southern Circle ..	7	775	30	5,902	8	1,076	58	3,025	..	..	1	5
Total, Presidency ..	29	4,258	92	49,510	201	32,153	152	41,735	4	1,380	2	7

* Reported as "not known." † Half an acre.

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—*cont.* By intentional firing. In order to obtain new grass. Number of fires.	In order to obtain new grass. Area burnt in acres.	In order to turn out game or to reduce cover. Number of fires.	In order to turn out game or to reduce cover. Area burnt in acres.	Maliciously fired. Number of fires.	Maliciously fired. Area burnt in acres.	Total. Number of fires.	Total. Area burnt in acres.	Causes unknown. Number of fires.	Causes unknown. Area burnt in acres.	Total A, B and C. Number of fires.	Total A, B and C. Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	3	185	5	115	35	1,304	2	63	§ 48	§ 2,536
Vizagapatam	..	..	..	..	‡ 2	1,612	157	7,415	..	..	159	9,335
Gódávari	6	1,605	1	470	..	..	26	2,750	12	9,581	55	15,728
Kistna *	..	..	..	..	..	..	19	30,530	..	..	21	37,720
Kurnool	† 1	138	..	..	1	2,395	2	2,533	20	42,629	22	45,162
Bellary *	..	..	..	..	..	..	1	..	65	61,170	66	61,170
Anantapur *	17	3,479	12	14,170	4	3,200	40	22,657	36	21,711	78	44,386
Total, Northern Circle ..	24	5,222	16	14,825	12	7,322	280	67,189	135	135,154	449	216,037
Central Circle.												
Cuddapah	4	13,800	..	..	4	880	15	36,570	60	91,524	81	151,616
Nellore	..	..	..	..	..	..	..	..	1	50	18	3,492
Chingleput	..	..	..	..	..	..	1	..	2	140	3	140
North Arcot *	71	13,518	..	..	27	3,225	127	21,418	24	5,786	176	33,627
South ,, ...	..	..	..	..	..	..	..	..	8	1,372	‡ 10	1,377
North Salem *	5	269	10	611	..	..	25	3,766	6	7,811	31	11,577
South ,, ...	6	197	..	..	7	776	29	2,821	35	1,461	64	4,282
Trichinopoly	2	300	..	..	..	..	2	300	1	9	4	314
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	88	28,084	10	611	38	4,881	199	64,875	137	108,153	387	206,425
Southern Circle.												
South Canara	6	571	1	50	16	519	72	2,453	23	635	104	‖ 3,204
North Malabar	1	500	..	..	2	5,500	3	6,000	2	3	8	6,076
South ,, ...	..	..	..	..	..	..	..	..	1	640	1	640
The Nilgiris	..	..	..	..	..	..	..	..	..	..	2	680
North Coimbatore * ..	8	2,406	..	..	4	3,813	13	6,231	111	42,183	130	50,066
South ,, ..	13	2,119	..	..	..	..	18	3,813	2	90	23	7,179
Madura *	14	765	..	..	1	12	19	990	23	1,759	51	3,524
Tinnevelly *	16	6,663	1	1,000	7	2,760	32	11,297	11	433	48	11,835
Total, Southern Circle ..	58	13,024	2	1,050	30	12,604	157	30,784	173	45,743	367	83,204
Total, Presidency ..	170	46,330	28	16,486	80	24,807	636	162,848	445	289,050	1,203	505,666

* In both protected and unprotected areas. † In order to collect honey.

‡ The discrepancy between this figure and that entered in Form No. 50 has not been explained.

§ Excludes 6 fires which burnt 301 acres in areas under partial protection; 13,183 acres were also burnt in unprotected areas.

‖ The discrepancy between this figure and that entered in Form No. 51 has not been explained. It is apparently due to the inclusion of unprotected areas burnt.

As regards the fires caused by accident or through carelessness in burning fire lines the number was comparatively large in *Gódávari*, *Ganjám* and *North Arcot*. In *Gódávari* the fires were ascribed partly to high winds and partly to want of experience of the staff engaged in burning the lines, while in *Ganjám* one of the fires was the result of the fire patrols burning traces without supervision.

The largest number of fires which entered the forests by crossing exterior fire traces occurred in *North Arcot* and *Nellore*, while the area burnt by such fires was largest in Cuddapah where five fires burnt in all 23,482 acres and the Collector considers that nothing under a 300′ fire line can be depended upon to stop the fires crossing from the unprotected areas and that no system of fire-protection will be successful so long as the people find that it pays to burn forest. There are also good grounds for believing that removers of red wood stumps and minor forest produce burn the

grass in order to be able to get about easily and to see the produce clearly. The conservator considers a hard and fast rule as to width of line is not called for; it may require to be 300 feet wide in places and in others a 10 feet line suffices.

Three hundred and fifty-three fires which originated inside the reserve or fire-traced areas burnt in all 73,888 acres and were caused either through carelessness or accident by purchasers of forest produce or by villagers and travellers passing through the forests. In *Ganjám*, where twenty-seven fires were reported no offender was detected. In *Vizagapatam* much damage was done by charcoal burners in the Palkonda range up to the end of March when the issue of permits for charcoal was stopped and a warning issued that, if fires continued to occur to any extent, no permits would be issued for any kind of forest produce till the end of the fire season. This warning is reported to have had the desired effect and no fires occurred in the range after the first few days in April. The Sinivaram and Dharakonda reserves were protected from fire by the grant of certain concessions and rewards to the villagers in the neighbourhood. In *South Salem* two fires, which burnt 2,200 acres of felled coupes in the Shevaroys west and north working circles, are ascribed to travellers throwing down burning tobacco either wantonly or by accident.

The total number of fires caused intentionally in order to obtain new grass or to turn out game fell from 263 to 198 and the area was reduced from 93,772 acres to 62,816 acres; but the number of fires caused maliciously increased from 39 to 80, the increase being noticeable in *North Arcot* and *South Canara*. The result of the prosecutions for malicious firing is given in appendix to Form No. 50. In regard to the fires in *North Arcot*, the Collector states as follows:—

"As compared with the previous year there has been a satisfactory reduction both in the number of fires as well as in the area burnt. But the number of fires is still very large and for most of these graziers are responsible. Unless these men are punished either by closing areas burnt or by the raising of grazing fees, fire conservancy will show little or no improvement. Proposals for the levy of enhanced grazing fees are being considered."

In *Anantapur* 12 fires which burnt 14,170 acres were due to the exercise of the concession of pig and hare hunting on Telugu New year's day on the outskirts of certain reserves. In *North Salem*, ten fires were attributed to Irulars kindling fires for cooking within reserved forest. In *Bellary*, *South Arcot* and *South Canara*, punitive measures were adopted in a few cases of wilful mischief: grazing fees were raised and this coupled with warnings to the adjoining jaghirdars are reported to have had the desired effect in *South Arcot*. In *Tinnevelly* several fires were attributed to graziers as in *Bellary*, and the compartments affected in the former district were closed to grazing as a penalty.

The number of fires, the origin of which could not be traced, rose from 345 to 445 as also the area burnt from 115,256 acres to 289,050 acres. In *Kurnool* owing to copious rains the grass in the Nallamalais was exceedingly high and dense and the enormous area covered by these forests was burnt practically from end to end. The chief malefactors are the Chenchus who are very hostile to the department and proposals are now being made to induce them to stop firing the forests by the grant of some concessions and rewards—a scheme attended with successful results in the Vizagapatam district. The Collector of *Anantapur* reports that it was impossible to trace the offenders in regard to the 36 fires which burnt a large area of 21,711 acres though Rangers were on the spot while the fires were burning. In *Cuddapah* more fires were reported because of an improved system of reporting and a comparison of the results of fireprotection during the last two years would therefore be misleading. Owing to late rains it was very difficult to cut and burn the lines at the usual time and the growth of grass was so luxuriant that on many areas it was impossible to face any fire that occurred. The early fires went on till they reached evergreen belts or streams, while the later fires were mainly checked by reaching the areas already burnt. In the upper Seshachellams and Palkondas, the cattle penners were suspected to be the chief offenders and the question of forbidding penning from March to September in these areas is under consideration by the Collector. In *North Coimbatore* 118 fires occurred in the unprotected areas and burnt 48,937 acres. In no one single instance was the closure of forests asked for in this district—a fact which the Conservator considers unsatisfactory in view of the number of fires.

On the general subject of Forest Fire Conservancy, the Conservator, Central Circle, is of opinion that as each working circle is planned for, its fire conservancy will be so regulated that yearly success will be more certain and over a larger area.

(*c*) *Protection from cattle.*

16. The areas open and closed respectively to grazing in each district are shown in Form No. 52. 1,696 square miles were closed to all animals during the whole year and 191 square miles for a portion of the year against 1,867 and 50 square miles, respectively, during 1902–1903. The percentages of forests open to grazing and browsing to the whole area are 87·8 per cent. and 3·6 per cent. respectively.

Goat Browsing.—Goats were excluded from all reserves in *Ganjám*, *Vizagapatam*, *Anantapur*, *South Arcot*, *Trichinopoly*, *Tanjore* and in all the districts of the Southern Circle excepting *South Malabar* and *Madura*. In *Bellary*, they were admitted over 81 square miles. In the Proddatur, Cuddapah and Pulivendla taluks of the Cuddapah district the goat owners petitioned Government to reduce the rate to As. 4 per goat and there is reason to believe the local subordinate staff were concerned with the petition. On enquiry, however, it was found that the people were able to pay the enhanced rate of As. 8. Permits for 9,589 goats were issued as against 1,816 in the preceding year, a result which proved that the grievances were not real. In *Nellore*, the areas open to goats and sheep were increased by the rearrangement of the goat browsing blocks in the Rapur taluk on a biennial rotation system. In *Chingleput*, only half a square mile being the artillery range was open to browsing. In *North Arcot*, a larger area was opened for goat browsing than in the previous year, but owing to the raising of the rate to As. 12 per head no permits were taken. In *South Salem*, 7 square miles of reserved forests were open for goats in the Salem East range but elsewhere the unreserved wastes of the charge were held to suffice for this purpose. In *South Malabar*, only 54 acres were open to browsing.

17. The following table gives an analysis of the cattle impounded during this and the previous year with the average for the three years preceding :—

Districts.	From open forests.		From closed forests.				Total.		Average for the three years ending 1902–1903.
			Holding permits for open forests.	Having no permits.	Hoding permits for open forests.	Having no permits.			
	1902–1903	1903–1904.	1902–1903.	1902–1903.	1903–1904.	1903–1904.	1902–1903.	1903–1904.	
Northern Circle.									
Ganjám ..	1,049	565	..	1,421	..	3,060	2,470	3,625	3,200
Vizagapatam ..	1,541	2,532	..	..	..	..	1,541	2,532	3,755
Gódávari ..	3,603	3,084	..	688	..	430	4,291	3,514	4,980
Kistna ..	6,044	4,018	1,256	9,880	581	5,923	17,180	10,522	32,802
Kurnool ..	31,093	25,718	..	5,572	..	1,772	36,665	27,490	29,098
Bellary ..	13,700	22,545	..	568	..	1,283	14,268	23,828	9,989
Anantapur ..	17,785	19,110	..	268	..	2,039	18,053	21,149	23,025
Total, Northern Circle ..	74,815	77,572	1,256	18,397	581	14,507	94,468	92,660	106,852
Central Circle.									
Cuddapah ..	16,173	15,341	..	30,182	..	17,094	46,355	32,435	66,334
Nellore ..	27,396	19,526	..	30,833	..	10,774	58,229	30,300	52,207
Chingleput ..	5,159	4,534	..	509	244	480	5,668	5,258	9,302
North Arcot ..	16,087	10,463	..	20,814	99	9,817	36,901	20,379	59,050
South ,, ..	37,771	35,045	..	17,136	..	16,456	54,907	51,501	69,818
North Salem ..	5,419	3,765	..	7,390	..	4,802	12,809	8,567	} 24,245
South ,, ..	4,144	7,402	..	9,193	113	604	13,337	8,119	
Trichinopoly ..	15,175	5,604	..	1,163	..	499	16,338	6,103	15,310
Tanjore ..	993	962	..	45	..	79	1,038	1,041	1,228
Total, Central Circle ..	128,317	102,642	..	117,265	456	60,605	245,582	163,703	297,497

Districts.	From open forests.		From closed forests.				Total.		Average for the last three years ending 1902–1903.
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.			
	1902–1903.	1903–1904.	1902–1903.	1902–1903.	1903–1904.	1903–1904.	1902–1903.	1903–1904.	
Southern Circle.									
South Canara ..	837	1,054	..	101	..	53	938	1,107	1,234
North Malabar ..	..	232	..	..	..	13	..	245	62
South „	21	..	..	1	..	80	22	80	72
The Nilgiris ..	352	557	396	89	130	61	837	748	1,187
North Coimbatore.	6,524	5,067	..	1,287	..	1,196	7,811	6,263	5,452
South „	4,660	2,852	2	1,099	37	251	5,761	3,140	3,562
Madura ..	11,884	18,924	..	..	..	..	11,884	18,924	7,988
Tinnevelly ..	1,399	932	..	1,686	788	3,606	3,085	5,326	4,502
Total, Southern Circle ..	25,677	29,618	398	4,263	955	5,260	30,338	35,833	24,060
Grand Total, Presidency ..	228,809	209,832	1,654	139,925	1,992	80,372	370,388	292,196	428,410

The number of animals of all classes impounded during the year was 292,196 against 370,388 of the previous year and 428,410 of the average of the previous three years. The decrease is most noticeable in *Kistna*, *Cuddapah*, *Nellore*, *North Arcot*, *South Arcot* and *Trichinopoly*. In *Kistna*, the decrease is accounted for by the increase in the number of cattle licensed. In *Cuddapah*, heavy compounding fees had a deterrent effect on the graziers and goats in some taluks were sold by the owners on account of the enhanced rate. The marked fall in *Nellore* was due to the abolition of the Parcellaire system during the year, to the introduction of the Kancha system under which 12,972 acres of reserved forests were leased to cattle breeders and agriculturists for grazing their horned cattle under such conditions as made the lessees responsible for the protection of the blocks and to the introduction of the goat browsing scheme on a biennial rotation system in the Rapur taluk which threw open a larger area to goats and sheep at convenient distances from the villages concerned. The introduction of the system of issuing a single permit current throughout the district had also the effect of reducing the number of cases of illicit grazing and therefore of the number of animals impounded. In *North* and *South Arcot*, greater vigilance on the part of the forest subordinates and the cattle owners' knowledge of the penalties for default in the former district and the rise in the number of permits taken in the latter accounted for the decrease. In *Trichinopoly*, the decrease was due to the effective supervision over illicit grazing of cattle and more especially of goats in the Musiri and Perambalúr ranges as a result of which most of the cattle owners have sold many of their goats to the ryots of the adjoining districts. It should also be mentioned that successful prosecution of corrupt subordinates tended to more honest observance of the rules. The number of animals impounded showed a marked increase only in *Bellary* and *Madura*, on account of additional reservation and closure of greater area to grazing and goats in the former and principally to strict enforcement of rules to prevent illicit grazing with the connivance of forest subordinates in the latter.

(*d*) *Protection against injuries from natural causes.*

18. In Ganjám, specimens of casuarina attacked by fungus as well as of fungus attacking the roots of the same species were sent to the Cryptogamic Botanist to the Government of India who pronounced the former to be of a hitherto undescribed species. The root attacking fungus appears externally in nodules such as are found on the roots of Leguminous plants. The boring larvæ referred to in the previous year's report as destroying a number of casuarina trees were identified by Mr. Stebbing as *Arbela teraorius*. These larvæ reappeared in September and did more damage than in 1902–1903. Preventive measures were adopted to exterminate them and it remains to be seen if they will again appear. In *Gódávari*, certain *insects* in the Marrigudem range found on the leaves of the trees were sent for identification and for suggestions how to destroy them. In the Rekapalle range beetles were found to bore into *Xylia* trees and specimens are under identification. It is not yet possible

to determine the success or failure of the preventive treatment adopted in Kistna whereby the breeding of beetles was hampered by the clearing of all decaying matter. The drying up of the crowns of older casuarina trees is now considered to be due more or less to hard sub-soil being met by the tap root. In *Anantapur*, the leading shoots of *Anogeissus latifolia* in the Penukonda range were attacked by some insect which was being traced. In *Cuddapah*, mention was made in the previous year's report of parasites. The Collector thinks that they can scarcely be termed natural and that they are due to injury caused by cattle, fire, etc. Until working plans are framed it is not considered feasible to remove these diseased trees. The Kodur plantation was in danger of being washed away by the river and, to prevent this, steps have been taken since the close of the year. In *Nellore*, the casuarina borer caused much less damage to the plantations than formerly. In *North Arcot*, in the Chandragiri range damage was caused by game to the young shoots in the coupes in Mamandur and Chamala valleys. In view to minimise the damage caused by insects to casuarina trees in the plantations of the Vellore range it is proposed to grow casuarina in future mixed with broad leafed species. In *Trichinopoly*, attempts were made to check the growth of prickly-pear by attaching to healthy leaves pears affected by fungoid-disease, but as yet we have been unable to spread the disease which Dr. Butler is now studying. Its presence has been traced through South Arcot, North Arcot, Trichinopoly, Tanjore and Cuddapah. In *South Canara*, the small teak plantation in Jettukattumale containing less than 100 trees was attacked by a species of caterpillar. The lantana in *North Malabar* referred to in the previous year's report continued to spread and measures were taken to remove it by burning and digging it out. In *South Malabar*, the defoliator appeared in all the teak plantations and about 75 per cent. of the trees were stripped. In Chathamborai and Valluvacheri, 541 acres were cleared of parasites at a cost of Rs. 320. The mahogany borer is still prevalent and no steps are yet reported to have been taken against it. Floods in the river have caused some damage to the teak and in some cases to the bamboos introduced along the river banks. In the *Nilgiris* the sandalwood plantations in Sigur and Kunjapanai were cleared of creepers and lantana to facilitate growth of seedlings.

4. SYLVICULTURE.

(*a*) *Natural Reproduction.*

19. *Northern Circle.*—In *Ganjám*, timely rains helped to bring about a good reproduction of sâl from seed, and numerous seedlings have come up. Other important species that have seeded well are notably *Chloroxylon swietenia*, *Terminalia tomentosa*, *Pterocarpus Marsupium* and *Anogeissus latifolia*. The season was so favourable that even *Holoptelea integrifolia*, which is a comparatively rare species in this district, has also seeded well. Reproduction from coppice was also excellent, as shoots of five feet in height in the sâl coupes of Russellkonda and of six feet in height in the Mohiri Hills were seen in June. The species that coppice best in the Mohiri Hills are *Pterospermum suberifolium*, *Cleistanthus collinus* and *Grewia tiliæfolia*. In *Vizagapatam*, reproduction from seed and rootsuckers was good in the fire-protected areas of Golgonda range, and that from coppice was satisfactory in all coupes under systematic treatment, and especially in the Palkonda range. In *Gódávari*, some species, such as *Rhizophora* (mangrove), *Hardwickia binata* (yepi) and *Terminalia tomentosa* (maddi) have seeded profusely; but in some cases the seedlings died in the hot season when the ground dried. In *Kistna*, reproduction from seed in some forests, and from rootsuckers in others, was good. There was some luxuriant growth of babul in Bezwada range, the trees reaching a height of 10 feet in three years. It was noted that even very little grazing hampered regeneration. There was the usual reproduction from seed in the mangrove swamps; but any reproduction from seed or rootsuckers was difficult to discover, the reason probably being that swamps reproduce only above high water level. In *Kurnool*, reproduction from seed was very poor owing to extensive fires. Reproduction from coppice in the Nallamalai coupes is promising. In *Bellary*, natural reproduction of *Hardwickia binata* from seed was good in the leased forests and in the specially protected yepi block of Bellary reserve. There was no natural reproduction from seed in other parts, because of excessive grazing and the dry nature of the soil. Reproduction from seed was good in all areas which had been felled over and placed under special protection. In *Anantapur*, the reproduction of all the species in Kothakota reserve, which was

specially protected and closed to grazing, was above the average, by reason of the exceptionally good monsoon and in this reserve *Hardwickia binata* seedlings did not die off so much as usual. In Muchukota, fires destroyed the seedlings. The regeneration of *Acacia arabica*, *Chloroxylon swietenia* and *Dolichandrone crispa* was good, especially of the last, which is likely to become the most useful tree in the district for general building purposes.

Central Circle.—In *Cuddapah*, germination is very much facilitated by the barrenness of the soil and absence of undergrowth, but the fires cause most of the seedlings to grow crooked. Redwood appears to withstand forest fires better than any other tree as also Satin wood on account of its corky bark, though up to three or four years old it is apt to be ruined by fire. Fires on the Upper Seshachellams have converted the splendid forests of *Shorea tumbuggaia* into useless scrubs of *Eugenia alternifolia* as the latter species is only dwarfed, whereas the former, when young, is ruined by the passage of fire. The reproduction of teak is good along the Mintala river. The reproduction from coppice is good in areas under improvement fellings in Cuddapah and Sidhout ranges. In all coupes, the coppicing of the more valuable species is vigorous, particularly that of redwood, but as the shoots fork at from 3 to 8 feet from the ground, the value of this class of produce is much reduced. In the Cuddapah and Sidhout low level forests, the wonderful coppicing power of *Dolichandrone crispa* has enabled it to survive all other species. In the Balapalle coupes dense crops of two species of *Strobilanthes* have covered the ground and suppressed even the seedlings of evergreens which too do not coppice well in these moist areas. Natural reproduction from seed or from coppice is not encouraging in *Nellore*, except in the case of certain palmyra topes and coupes. In *Chingleput*, seedlings were washed away in the excessive floods in December last, but the coppice growth of the season has been good. In *North Arcot*, reproduction from seed in all the fire protected areas closed to grazing is encouraging. It is suggested that the exclusion of goats from reserves will greatly aid natural reproduction. In *South Arcot* and *North Salem*, reproduction by seed and coppice is satisfactory because of the favourable season. This year *Hardwickia binata* was rather sparing in its fructification. In *South Salem*, seedlings of *Prosopis Spicigera* and *Melia indica* have come up in the Mallapuram specially protected block and they are thriving. In other reserves seedlings of these species appear after the rains and die during the hot weather. The reproduction by seed of *Acacia arabica* and *leucophlœa* was fair. Self-sown seedlings were seen in the Pachamalai reserves of the Musiri and Perambalur ranges of *Trichinopoly* district, where the effects of fire protection and closure against grazing have generally aided natural reproduction. Sandalwood seedlings were in a thriving condition in the Sengathur reserved forest of the Perambalur range. In *Tanjore*, the regeneration by seed is satisfactory in all reserves. Memecylon reproduces itself well from coppice and a good growth of this species is found in Vettangudi reserved forest.

Southern Circle.—In *South Canara*, reproduction by coppice is satisfactory in the areas felled over for firewood. In *North Malabar*, reproduction of teak from coppice shoots is good, but that from seed is not satisfactory. Where the cover and undergrowth are dense, the great majority of the seeds rot and even if they germinate, the seedlings do not thrive well. In the areas which had escaped fire for some years wherever the canopy is fairly open, the growth of young saplings is good. In *South Malabar*, natural reproduction by seed in Eddacode under the improvement fellings is reported to be good, and seedlings are abundant but endangered by the thick growth of rank vegetation coming up with them. Coppice shoots in the same locality are reported to be from 3 to 4 feet high. In the *Nilgiris*, in the protected areas growth from seed is good, but in the unprotected areas seedlings have to a great extent been killed. Coppice growth is excellent in the portions where improvement fellings have been made. In *North Coimbatore*, reproduction of sandal is reported to be good. In areas closed to grazing and protected from fire, other species reproduce themselves in patches. The trees that best reproduce by seed are *Pterocarpus Marsupium*, *Terminalia tomentosa*, *Tectona grandis*, *Hardwickia binata* and *Vitex*. Reproduction by coppice is said to be excellent in the case of sandal and it is also noticeable in the case of *Dalbergia latifolia* and *Ougeinia dalbergioides*. In *South Coimbatore*, seedlings of teak, *Terminalias*, *Dalbergia latifolia* and other species are frequently met with in parts where there is not much undergrowth. The soil especially on the west of the Pollachi Range is too rich and the undergrowth far too dense to allow of good reproduction of the better species. In *Madura*, in the evergreen forests which have

not been worked, reproduction by seed is satisfactory. Efficient protection from fire and grazing will much aid coppice growth. In *Tinnevelly*, natural reproduction is excellent over all areas successfully protected from fire and closed to grazing. *Pterocarpus Marsupium* germinates freely and it is admirably suited to the steep middle belt of the hill reserves, being capable of supporting more shade than teak which would also thrive well in the belts, but for the fact that the seedlings are suppressed from insufficient light. In the evergreen forests natural reproduction by seed is good and the two valuable species *Hopea parviflora* (white kongu) and *Balanocarpus* (black kongu) reproduce freely. But the former requires much light and for this purpose useless species should be wringed and small clearings made near seed bearing trees. Improvement fellings also benefit to a little extent the growth of these seedlings. In all the working circles worked under the coppice with standard system, shoots are coming up very vigorously. A coppice shoot of teak at Kuttalam has in about a year attained a height of 20 feet. In worked coupes seeds are dibbled in to aid natural reproduction, it being found that sowing seeds proved useless.

(*b*) *Artificial Reproduction.*

20. The areas under plantations, and topes or subjected to cultural operations as well as the cost incurred are given in Form No. 54.

Regular plantations.—Planting in the casuarina plantation at Agustinowgam in *Ganjám* was not undertaken, but the nursery which contained seedlings of casuarina, *Dalbergia sissoo*, *Melia Azadirachta*, *Tamarindus indica*, *Thespesia populnea* and *Sapindus trifoliatus* was maintained. In *Vizagapatam*, divi divi plants planted in Narasapatam fuel working circle are thriving well, but those in the Garugupalli tope died. This species requires light shade when young. In *Gódavari*, 47 acres in Bendamurlanka and 38 acres in Kandikuppa plantations were planted with casuarina, and previous recent plantings were watered. In *Kistna*, casuarina was planted as usual in Gopuvanipalem reserve, but there was a great mortality from neglect of watering. Margosa planted in the Bezwada range is flourishing as also the aloe planting along the boundary lines. In *Cuddapah*, certain coupes in Balapalle East working circle were planted up. In *Nellore*, 375 acres of the area under casuarina working plan and three other plantations were planted with casuarina and 22·75 acres of Kollurpadu plantation with *Melia indica* and other selected species. The watering of the previous years' plants was carried out and the experiment of not watering the plants older than eighteen months proved successful. In *North Arcot*, a nursery for raising teak, redsanders, *Melia indica* and other indigenous seedlings, was started at Reddigunta and a few small plantations in Palmaner. In *South Arcot* 31·34 acres of Cuddalore coast plantations were planted with casuarina. In *North Salem*, only about 30 per cent. of the sandal seedlings planted along the *Inga dulcis* hedge in the Andiyappanur rest house compound survived, but the casualties were replaced. The Sandal seedlings that had come up well in the Naganur tope withered in the hot weather. In *South Salem*, the small silver oak plantation on the saddle of Sanyasimalai reserve was extended during the year by five acres, but the plantation was burnt by fire crossing the fire line. Twelve graft mangoes were planted in the Mallapuram bungalow compound also 2,800 aloe suckers along the fence of the Harur bungalow compound and all are thriving. In *Trichinopoly*, about five acres in the Kurichimalai reserve were planted with *Tamarindus indica* and *Bassia longifolia*. In *Tanjore*, about 40,000 casuarina plants were planted in the north and south casuarina plantations and the previous plantings were watered and maintained. In *South Canara*, a part of the small casuarina plantation at Tannirbhavi was eroded by the sea. In *North Malabar*, no regular plantations were formed during the year, but 38 acres in the Begur Range and 100 acres in the Chedleth range were prepared for planting. Out of 116 acres prepared for regular plantation in the previous year in the Amarampalam range of *South Malabar*, 111 acres were planted with teak and the rest with *Swietenia macrophylla* and *Pterocarpus Marsupium* seedlings. The casualties in these and in the plantations of the previous years were replaced. In the *Nilgiris*, teak and *Mahogany* seedlings were put out in Mudumalai to replace casualties. No other planting operations were undertaken It is believed that the existing teak plantations would benefit by underplanting with some shade-loving species. No fresh plantations were started during the year in *South Coimbatore*, *Madura* and *Tinnevelly*, but the growth in the existing plantations of teak and blue-gum in *Madura* was good.

Taungya plantations.—Thirty acres of this kind of plantation were formed during the year in *North Malabar* and 25 acres in the Marrigudem range of the *Gódávari* district.

Cultural operations.—In *Ganjám* to protect sal seedlings against sun, seeds of *Anogeissus latifolia* were sown along with sal, and germination is reported to be satisfactory, but it is too early to give any definite result. Certain areas were also ploughed up and sown broadcast. In *Gódávari* 359 acres in Coringa range and 25 acres in the Marrigudem range were sown with mangrove and teak seeds respectively. In *Kistna* extensive sowings of *sissoo* were started in Bandur and Bápatla ranges and have proved successful, while germination of palmyrahs sown along boundary lines failed. In *Bellary*, a system of mound-sowing was proposed by Mr. Arbuthnot, but was not sanctioned by the Conservator for want of further information, but sowings under this plan will be undertaken in the current year. This system consists in making mounds one to two feet high on which seeds are dibbled before the rains. They are then left to themselves and are not watered and the plants are reported to come up well. Sowing operations in *Cuddapah* were on the whole unsuccessful this year, owing to the excessive moisture of the soil in some cases and in others to the unsuitability of the soil in respect of the seeds of the species sown. In *Nellore*, *Melia indica* and *Pongamia glabra* were sown, but the former did not germinate and the seedlings of the latter died during the hot season. In *Chingleput*, the babul plants from the seeds that germinated so well during the previous year, were all destroyed by the floods of December. Of the date and palm seedlings 20 per cent. thrive well. About 50 per cent. of the indigenous seeds sown germinated in *North Arcot*, but only a very small number of the plants survive. No sowing operations were undertaken in *South Arcot* and *North Salem*, while the operations undertaken in *South Salem* proved a failure. In *South Canara*, 229 kumeri passes were issued to the Mahraties, a hill tribe, who kumeried an extent of 470 acres and collected 14,994 seers (of 80 tolas) of teak, *Terminalia tomentosa* and *Pterocarpus Marsupium* seeds which were sown in the areas cleared by them. The number of surviving plants from previous years is reported to be 17,819. A large quantity of *Hopea parviflora* seed was also dibbled in near streams in the kumeries and in other suitable places. No cultural operations were undertaken in *North Malabar*, while those undertaken in certain plantations of *South Malabar* by the planting of seedlings of selected species, were only partially successful. Two hundred indigenous bamboo seedlings also were planted along the river side of old Amarampalam reserve. Attempts to reproduce sandalwood in *North Coimbatore* have not been successful, while palmyrah seedlings came on well. Teak seedlings planted in Tekadi leased forests of *South Coimbatore* and those put out in the previous years are all thriving. In *Tinnevelly*, the attempts to reclaim the sandy waste were attended with success and two-thirds of the banyan cuttings put along a road in the above have established themselves. The sowing of palmyrah seeds was partially successful.

(c) *Operations for the Improvement of Growing Stock.*

21. *Northern Circle.*—Improvement fellings were carried on in coupe 3 of Kurcholi reserve in *Ganjám*, in 25 acres of Pengha in *Gódávari* and 5,119 acres in the fuel working circle in the Nallamalais, *Kurnool*, and the produce from the last provided 20,000 tons of fuel to the railway, besides some timber. Creeper cutting was as usual effected by the subordinates throughout the *Gódávari* district except in the Delta range.

Central Circle.—Thinnings in a portion of the Kodur Redsanders plantation, girdling of large spreading Sundra trees and cutting of creepers on teak trees were carried out in *Cuddapah*, while certain compartments of casuarina plantations in *Nellore* were pruned. Prickly-pear was removed from Pulrambakkam reserve, *Chingleput*, and from plantations in *North Arcot*, and wherever necessary weeding and cutting of creepers were carried out in felled coupes in both these districts also in the Redsanders areas of *North Arcot*. In *South Arcot*, bamboo clumps were thinned and dead trees removed from casuarina plantations. Thinnings of a few suppressed tamarind trees, removal of prickly pear, dead and withered trees from certain topes, and creeper cuttings in felled areas were the operations carried out under this head in *North Salem*. The Nallur tope in *South Salem* was leased out on cowle tenure for five years for the eradication of the existing thick growth of prickly-pear, on

condition that the whole of it should be cleared in the first year, and the hedge maintained and trees protected. In return, the lessees were allowed the use of any crop they may grow on the ground, leaving sufficient space for an officer's camp uncultivated. All unsightly, gnarled and dead trees were removed in the Udaiyár-pálaiyam and Kulitalai ranges of *Trichinopoly* district.

Southern Circle.—In *South Canara*, thinnings were made over 60 acres, creepers were cut over 1,000 acres and useless trees, such as *Bombax Malabarica* and *Odina Wodier* were girdled where found in the firewood coupes. The plantations of the three ranges in *North Malabar* were weeded and also some of the plantations in *South Malabar*. Creeper cuttings, thinnings, prunings and cutting of saplings are also reported from *South Malabar*. Suppressed, dying, dead, wind blown, and top-broken trees were felled, where their retention was thought inadvisable. Improvement fellings and girdlings were also carried on. In the *Nilgiris*, thinnings were carried out in the teak plantations, crooked unsound saplings were removed, and the upright stems pruned. In *North Coimbatore*, improvement fellings and extraction of sandal were carried out. In *South Coimbatore*, ten compartments of the Walayar working circle aggregating 1,487 acres were given on contract for bamboo thinning, leaving bamboo clumps under two years old.

The Collectors have not reported specifically with reference to the remarks of Government in its review of the administration report for the year 1902-1903 on the question of the arboricultural development of the more important reserves and the provision made for special forest requirements of each district or group of districts. Their attention will be invited to the subject, and they will be directed to refer to it in the current year's report.

(*d*) *Experiments.*

22. The results of experiments made with exotics and other plants are given below. The subject of concentrating experiments in selected localities under selected officers has been dealt with separately and the question is now before the Board :—

Acacia planifrons.—The seeds sown in *Kistna* germinated, but transplanting met with little success.

Agave ixtle.—There are now 38 plants in the Palamadi and Kylasagiri reserves, *North Arcot*, and 103 in four topes of Palmanér range.

Bamboos.—The growth of bamboos in *Tinnevelly* was extended with some success by sowing seeds and planting seedlings. In *South Malabar*, there are 8 young clumps of giant bamboos, 7 of yellow bamboos (*Bambusa vulgaris*). *Cephalostachyum pergracile*, *Dendrocalamus longispathus* and *Bambusa longispathus* are found all along the streams in almost all the plantations.

Rubber trees.—Rubber seeds sown in *Godávari* are reported to have germinated. The four plants reported to be thriving in the Palmanér range, *North Arcot*, have died.

(*a*) *Landolphia Kirkii.*—The two seedlings referred to in *South Malabar* last year have died.

(*b*) *Landolphia florida.*—Twenty-two of these mentioned in last year's report in *South Malabar* are doing well.

(*c*) *Ceara.*—The sowings made in *South Canara* have not germinated, and the same is reported from *North Malabar* and *Tinnevelly*. The result of sowings in *South Malabar* and *North Coimbatore* is not yet ascertained, for germination is slow, the shells being hard. The plants in *South Coimbatore* are doing well and have attained a height of 12 to 20 feet, their girth being only 10⅓ inches. As reported last year, the species is not valuable as it produces little or no rubber of value.

(*d*) *Ficus elastica.*—The young plants that were ready for transplanting at the close of the previous year were put out along the pathways in Napier Park reserve and in the Forest rest-house and the new Range office building at Russellkonda in *Ganjám*. Experiment in *Nellore* has proved a failure.

(*e*) *Hevea braziliensis* (*Para Rubber*).—The trees at Melpet, *South Arcot*, fruited during the year and the seed was collected. Sowings in *South Canara* and *Tinnevelly* proved a failure as also in *North Coimbatore*, *South Coimbatore* and *South Malabar*. The seeds sown in *North Malabar* germinated only partially. The trees planted in 1898 are doing well. The 24 trees in *South Malabar* are not healthy, due probably to the tapping of the trees in the previous year. Experiments are being made in the Kullar forest nurseries, *Nilgiris*, by the Curator of the Government Gardens.

(*f*) *Kicksia africana.*—The existing 27 trees in *South Malabar* are doing well and are about 6 feet high.

(*g*) *Dichopsis elliptica.*—This tree is numerous in the evergreen forests of *Tinnevelly*. A sample of its latex was forwarded to Madras for analysis and showed 15 per cent. caout-chouc. It is said to be used as an adulterant of good rubber. A market is being sought for it.

(*h*) *Manihot glaziovii.*—There is one tree in *Kistna* which is 20 feet high and 2 feet in girth and has produced 40 seedlings and saplings.

Date trees.—A number of seedlings of edible date were ready for transplanting in the Napier's Park nursery in *Ganjam.* Edible date plants transplanted in the Kandikuppa plantation of *Godavari* are reported to be growing slowly. Date sowings in *Kistna* were attended with very limited success. From this it might probably be inferred that where natural date growth does not already exist, the soil is unsuitable. Arrangements were made to cultivate edible dates in *Kurnool.* Though there still exist a number of such trees chiefly in compounds of rest houses in *North Arcot*, yet their experimental growth is a failure. The surviving dozen plants in *Trichinopoly* showed no progress and the cultivation here is not a success. No fresh experiments were made in *Tanjore.* There was one casualty and 132 plants survive.

Divi Divi.—Seedlings planted in *Gódávari* and *Kistna* in certain compounds and reserves are reported to be thriving. Seeds sown in Sríharikóta nursery, *Nellore*, have germinated and the plants are flourishing. About 2,000 trees are now surviving and in good condition in the Kilminnel plantation in the Vellore Range, *North Arcot.* These yield not less than three candies of pods every year. Of the four trees that existed in *North Salem*, one died and the rest appear sickly and stunted.

Durian plants.—The plant at Manantoddy in *North Malabar* is now 36 inches high, having grown $5\frac{1}{2}$ inches during the year. The one plant in *South Malabar* is doing well.

Eucalyptus.—There are trees in all the Palmanér plantations, *North Arcot*, but only at Venkatagirikota can they be said to thrive where a couple are four feet in girth.

Mahogany.—Seeds sown in Marrigudem Range, *Gódávari District*, have germinated and some of the plants put out in compartment No. VI of Rekapalli Hill Reserve are thriving. Seeds sown under the shade of a tree in a nursery at *Bellary* have germinated and the plants are doing well. The surviving plants in *Cuddapah* are only 95 out of 130 in the last year. The soil seems to be shallow and unsuitable. The seeds sown in Sríharikóta nursery, *Nellore*, have not germinated, while those in the nursery at Kollurpadu plantation have come up well. The trees in Vellore and Palmanér Ranges are in good condition. Out of 512 seeds sown in each of the different ranges of *North Arcot*, 90 in Chittoor and 3 in Palmanér germinated and 81 of the former survived. None germinated in the other ranges. The sowings in *South Arcot* were mostly failures and about one-fourth of the plants put out in the previous year died. All the surviving plants in the Vettangudi reserved forest, *Tanjore*, are thriving and vary from 14 to 35 feet in height and from two to six feet in girth. The existing plants in Puttúr and Udipi Ranges, *South Canara*, are also thriving; but the attempts to grow the tree in Coondapoor and Uppinangadi Ranges proved a failure. The trees in Aravillikava, *South Malabar*, have improved now more light is let in from pruning the trees and from cutting the dominating teak trees. They are 24 years old, 48 feet in height and 26 inches in average girth. The seeds sown in the office nursery have not germinated. The trees in the *Nilgiris* are doing fairly well. In *South Coimbatore* most of the seed sown did not germinate and the few seedlings all died. Of previous years plants 325 are growing well. The success of this species in *Tinnevelly* is assured and its growth can no longer be regarded as experimental. Two of the trees seeded but germination from the seed collected was not entirely successful. The plants of previous year are between seven and eight feet in height.

Swietenia macrophylla.—The sowings during the year in *Kistna* and *South Arcot* proved a complete failure. There were 16 fresh casualties in the surviving plants in the latter district and a good number raised in the previous year died from neglect and ignorance on the part of Range officers. The plants in Puttur Range office compound, *South Canara*, number 56 and thrive well as also those in *North Malabar*.

The old tree in Chathambarai, *South Malabar*, is now 32 years old, is 94 feet in height and 82 inches in girth having grown 2 feet in height and 1½ inches in girth during the year. This tree has not yet begun to flower, though younger trees in other localities bear fruit. The trees planted in the several teak plantations are growing well, though many were destroyed by deer and sambur. The seedlings raised in the previous year were planted and are doing well, though some of them did not survive in two plantations probably on account of the unsuitability of the soil. The seedlings raised from 1,214 sound seeds collected and sown during the year from two trees on the Nilambur Hill were put down in Chathambarai and are now on an average 9 inches high. The seeds sown in the office nursery did not germinate. The plants in the Alagiri Hill reserve in *Madura* are thriving.

Pterocarpus indicus.—The three plants in Manantoddy, *North Malabar*, are now between 30 and 36 inches in height having grown 15 to 20 inches during the year.

Paspalum dilatatum.—The experiments made in *North Arcot* and *South Arcot* proved a failure, except in a certain reserve in *South Arcot* where too the growth was not flourishing. The sowings in *South Salem* were partially successful. The grass introduced in the Vengur padugais, *Trichinopoly*, established well and yielded a crop of 50 lbs. of seeds and 1,875 lbs. of grass. It yielded three crops under irrigation.

Pterocarpus santalinus.—Natural reproduction from seed of trees planted in a tope in *South Arcot* was very good. Attempts will be made to transplant the trees and spread the species in the forests. A number of seedlings were obtained from trees which seeded during the year in the Napier's Park reserve, *Ganjám*.

Pterocarpus macrocarpus.—Five specimens of this are flourishing in *South Arcot*.

Peltophorum ferrugineum.—The 24 surviving plants of 1886 in Vettangudi reserved forest, *Tanjore*, are doing well.

5. Exploitation.

(*a*) System of Management.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

23. *Northern Circle.*—Clear fellings were carried out over compartment II-C of Bandamurlanka plantation and compartments A4 and B4 of Kandikuppa reserve in *Gódávari*, in *Kistna*, over two coupes of casuarina and one of mangrove, and in *Kurnool*, over 26·6 acres in Veldurti reserve. In *Anantapur* coupe No. 1 of Illur reserve was cut over leaving 6 standards per acre.

Central Circle.—In *Chingleput*, 992 tons of babul wood and 2 tons of casuarina were cut and sold for Rs. 4,854. In *North Arcot*, an area of 38 acres in the Vannivedu casuarina plantations was clear felled departmentally and the fuel sold at Ranipet, also an area of 71·48 acres in the casuarina plantations of *South Arcot*, which was cut over by contractors. Fifty-one tons of babul wood extracted from three tank beds in the Dharmapuri taluk, *North Salem* were sold to the public at the Dharmapuri depot; Babul trees were felled in Muttampatti tank in Tiruppattúr and converted into charcoal of which 31 tons were sold at the Tiruppattúr depot. The produce on an area of 122 acres in *Tanjore* was sold for Rs. 2,811 to contractors who made their own arrangements for felling.

Southern Circle.—The casuarina plantation in the Tannirbhavi reserve in *South Canara*, 1·87 acres in extent, was clear felled and the produce disposed of for Rupees 1,058. In *North Malabar*, 120 acres in the Kurchiat reserve and 38 acres in Begur reserve were clear felled preparatory to planting the area with teak. The former was worked on contract and the good timber trees in the latter were extracted departmentally and other trees cut by the Kurumbers in return for the free grant of "tuckleland." In *South Malabar*, 100 acres were clear felled for the formation of a teak plantation and the gross amount realized for the produce was nearly Rs. 2,895.

(2) *Selection Fellings.*

24. *Northern Circle.*—In *Ganjám*, 300 dead trees in the three coupes of the plain sál working circles of Mojjaguda and Kukuluba ranges were removed by purchasers and the produce from the four sál coppice coupes was sold standing. In *Vizagapatam*,

there was little or no demand for the large timber stored in the Narasapatam depot and no selection fellings were undertaken. In *Gódávari*, 1,082 casuarina trees in two plantations were felled for supply to the Public Works Department for river protection works. In *Kurnool*, departmental operations were continued for the supply of timber to the two existing depots and for the collection of agricultural implements. Timber to the extent of 9,037 cubic feet was extracted at a cost of Rs. 3,026. Two hundred and sixty-nine *Anogeissus latifolia* poles measuring 1,776 cubic feet were sent to the Kolar gold field. No operations were undertaken in *Bellary* and *Anantapur*.

Central Circle.—In *Nellore* two compartments and part of a third in the Sríharikóta working circle were felled also four casuarina coupes and six coupes in the minor working circles. In *North Arcot*, casuarina from two plantations, sandalwood and timber from the Javadis and bamboos from the bamboo areas were cut and supplied to contractors and to the Vellore depot. In *South Arcot*, the bamboo areas in Tagarai and Parigam, were leased out on the usual terms. In *North Salem*, 1,393 cubic feet of sandalwood were collected and sold for Rs. 14,264 and 1,472 cubic feet of timber were supplied to the Remount depot and Royal Engineer Military Works, Bangalore, for Rs. 1,222 ; 4,700 cubic feet of timber and 91 tons were also cut for free supply to the poor of Vániyambádi who were rendered homeless by the floods of November last. Several tanks were worked in *Trichinopoly* for Babul fuel supply to the depots in Trichinopoly town.

Southern Circle.—The Porkal timber coupe in the Uppinangadi Range was felled in *South Canara*. In Chedleth range, *North Malabar*, teak, vengai and blackwood were selected and felled in coupe No. 4 and a small quantity of *Anogeissus latifolia*, *Shorea talura* and *Terminalia tomentosa* for supply to the Tank Mine and to Messrs. Pierce, Leslie & Co., and Mr. A. Brown of Calicut. In *South Malabar*, 500 trees of *Terminalia paniculata* were removed on permits. In the *Nilgiris*, teak, vengai and venteak from Mudumalai were felled and disposed of on tender to contractors. Timber was extracted from Tekadi leased forests in *South Coimbatore*. In *Tinnevelly*, Nanguneri forests were worked for timber through a contractor.

(3) *and* (4) *Improvement and Coppice Fellings.*

25. *Northern Circle.*—In *Ganjám*, 4 coppice coupes were sold standing and one exploited departmentally for fuel. In *Gódávari*, 92 acres were cut over under improvement fellings, and 1,435 acres under the coppice with standards system, as also coupes in the babul working circle and other areas of *Kistna*. In *Kurnool*, the prescribed coupes in the railway fuel working circle and in *Bellary*, the areas left uncut during the previous year besides those prescribed for the year itself were worked under the same system.

Central Circle.—Thirteen coupes in Cuddapah were similarly worked. Twenty-six coupes in Chingleput and nineteen in North Arcot, aggregating an area of 3,171 and 2,144 acres respectively, were sold during the year to be worked under this system. Fourteen others having an area of 700 acres were worked departmentally in *North Arcot* for the supply of fuel to the depôts, and certain conservancy blocks in the Chandragiri range by the ryots on payment for jaggery boiling. In *South Arcot*, one village coupe of 50 acres and one coupe of 54 acres in Tippakadu reserve, were undertaken departmentally, and 16 regular and 2 village coupes, 829 acres in all, were sold to contractors to be worked under this system. In *North Salem*, six fuel coupes were sold to contractors to be coppiced with standards one and two was worked departmentally. Twelve bamboo coupes were leased out to contractors to be treated under a combined system of coppice with standards and selection method. In *South Salem*, coupes in all working circles were felled standards being reserved. In *Trichinopoly*, all dead wood and branch wood in the upper anicut padugais were removed by contractors under improvement fellings, while 680 acres in the Váiyampatti range were cut under the coppice with standards system. In *Tanjore*, 178 acres in the three coupes of Vettangudi reserved forest were felled by the coupe contractor and 387 acres in the Tanjore working circle were also sold, but not felled (except three acres), the amount realised in all being Rs. 4,007.

Southern Circle.—In *South Canara* some coupes were given on contract for Rs. 3,138 to be worked under the coppice with standards system. In *South Malabar*, two coupes were partially worked under improvement fellings, while two other reserves under coppice with standards were cut over to supply railway fuel. In the

Nilgiris, certain Blue gum trees in the Ootacamund and Coonoor plantations were felled to meet public requirements. In *North Coimbatore*, improvement fellings were carried out departmentally in two ranges and under this system sandalwood was extracted, and one fuel coupe was worked by a contractor under coppice with standards; coupes in six working circles in *South Coimbatore* were also felled standards being reserved. In *Madura*, fourteen coupes were worked departmentally for the supply of railway fuel and twenty-six coupes on contract under pure coppice and coppice with standards. Two other coupes were also worked departmentally under a modified permit system the trees being felled at the cost of Government and the produce removed by permit holders on payment. In *Tinnevelly*, improvement fellings were carried out in one working circle, coppice with standards fellings in twelve and simple coppicing in five circles.

(5) *Unregulated Fellings.*

26. Felling and removal of produce under permits continue in almost all the districts but in most cases it was confined to unreserved areas besides being restricted to inferior classes of timber, fuel and bamboos required to meet local demand.

Northern Circle.—In *Gódávari* and *Kistna*, the permit system was in force in the reserves not brought under working plans, but no reserved or first class trees were permitted to be removed in the former district and in the latter wherever possible coupe felling was substituted.

Central Circle.—No unregulated fellings were made in *North Arcot* except in the Polur range, while in *North Salem* they were confined to unreserved areas. In *South Salem*, the permit system was in force for bamboos.

Southern Circle.—In *North Malabar*, a small quantity of timber, fuel and bamboos was removed under permit, most of the timber being removed from unreserves. In *South Malabar*, dead and wind blown trees from the teak plantations were removed departmentally and trees standing on the fire lines by contractors who also took bamboos for floating timber.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

27. The right of collecting minor produce was very generally leased out to contractors in the usual way.

Northern Circle.—In *Vizagapatam*, 910 lbs. weight of canes, 37 lbs. of Tippile (long pepper) and 4 tons 1,900 lbs. of gallnuts were collected departmentally at a cost of Rs. 58-4-0. A little more than half the nuts were sold for Rs. 108, the rest remaining unsold. Mohwa seeds collected at a cost of Rs. 15 proved useless. In *Gódávari*, minor produce was exported chiefly from the agency tracts and the usual fees levied thereon. Some minor produce were also collected departmentally without cost in the reserves of the Rajahmundry range. In *Kistna*, gum, honey and nux vomica are collected departmentally. In *Bellary*, the chief products that contributed to the revenue under this head were tope fruits, babul pods, tangedu bark and tree owners' fees from date trees tapped. Stone, red earth and thatch grass were removed on permits. Minor produce was collected departmentally in Sandur range including *Terminalia Chebula*, gum, tamarind, sikkoi, marking nut, lichen and honey. Thirty-one cart loads of thatch grass were supplied to the Bellary municipality for plague sheds. In *Kurnool*, the revenue under this head was Rs. 31,707, the fruit crop realizing Rs. 5,628 against Rs. 895 in the previous year. In *Anantapur*, stone, earth, thatching grass and manure leaves were removed on permit.

Central Circle.—In *Nellore*, the collections under this head being 6,047 maunds showed a further advance this year. Of this amount, 5,641 maunds were sold for Rs. 3,959 and the rest is expected to realize about Rs. 1,000. Royalty on mica decreased from Rs. 19,598 to Rs. 10,431 as many of the important mines were not worked. In *Chingleput*, the collection of gallnuts was made departmentally and manure leaves were removed under permits and realized Rs. 1,717. In *North Arcot*, 83 maunds of divi divi pods were collected departmentally and permits were issued for grazing, manure leaves and grass in all the ranges and for bamboos in the Chandragiri and Palmanér ranges. In *South Arcot*, manure leaves were disposed of by issue of departmental permits, the collection being confined to those of shrubs, climbers, etc., which were required to be cut flush with the ground. The price per cart load was

fixed at As. 5. Stone, gravel and limestone were worked to a small extent under permits issued under special arrangements in each case. In *North Salem*, a sum of Rs. 14,917 was realized under this head, of which Rs. 827 were derived from the sale of custard apples in Tiruppattúr range. The demand for tanning barks and gallnuts was very dull, probably owing to the introduction of the chrome process of curing and tanning skins. In *Trichinopoly*, divi divi pods were sold to a contractor at Madras. The usufruct of trees in reserved forests and unreserved lands was disposed of by auction sales. In *Tanjore*, manure leaf contributed to the major portion of revenue and to extend its growth and to increase the present inadequate supply, suitable sites were selected in certain reserves for sowing seeds of manure leaf yielding plants. Other miscellaneous forest produce was sold to contractors under petty leases.

Southern Circle.—In *South Canara*, 18 tons and 1,800 lbs. of catechu manufactured departmentally at a cost of Rs. 172 per ton were sold at Rs. 801 per ton for Rs. 13,953. Of this quantity 3 tons were supplied to the Government Harness and Saddlery Factory, Cawnpore, and 15 tons sold as usual for consumption in the Mysore State. 24 maunds (of 25 lbs.) of cardamoms were collected and transported at a cost of Rs. 215 and sold for Rs. 258. As this item is worked at a loss if the pay of the guards and watchers supervising the collection is taken into account, it is intended to lease out the areas on contract, provided reasonable offers are forthcoming. All other minor produce except spotted canes and horns was exploited by consumers or purchasers. In *North Malabar*, the produce was collected departmentally except honey, and wax in certain reserves which were leased out to contractors. In the *Nilgiris*, the minor produce was collected departmentally and stored in the various forest depots. Metal, gravel, etc., were removed on permits. In *North Coimbatore*, the bulk of the produce was collected departmentally. Avaram bark, vembadam (ventilago) bark, tamarind, margosa, *Pongamia* and nux-vomica seeds and palmyra and date leaves were leased out. In *South Coimbatore*, minor forest produce was collected on the lump sum contract system in three ranges and departmentally by means of hill tribes in two ranges. In *Madura*, avaram bark was excluded from lease and manure leaves and stones were allowed to be removed on permits. The lease for cardamom referred to in the last year's report continued. In *Tinnevelly*, permits were issued for the removal of Ethacally (*Ochalandra Rheedii*), rattan and stone from one or two places.

(2) *Extraction of Fodder.*

28. *Northern Circle.*—In *Gódávari*, the pasture lands of certain taluks were leased out and the fodder grass from Coringa reserve was sold. In *Kurnool*, Rs. 462 was collected by removal of grass against Rs. 48 in the previous year. Of this, Rs. 409 was derived from grass removed from the Railway Working Circles. The revenue under this head in *Bellary* amounted to Rs. 1,132 or Rs. 593 less than that of the previous year. The decrease was due to strict measures adopted in the Sandúr State to prevent the entry on account of plague. The amount realized in *Anantapur* decreased from Rs. 751 of previous year to Rs. 75 on account of free removal of grass.

Central Circle.—In *North Arcot*, the grass in the plantations was leased out. In *South Arcot*, it is again recorded that no demand arose for grass to be cut on permit. In *North Salem*, Rs. 23 were collected under this head. The concession granted to remove grass free from reserves was not availed of by the ryots. In *South Salem*, Rs. 163 were realized by the sale of grass for thatching purposes. Grass was allowed to be cut from specially protected blocks and coupes at 3 pies per head load. In *Trichinopoly*, removal of grass was allowed on permits where the right to collect it was not sold by auction.

Southern Circle.—In *South Canara*, the right to collect thatch grass which is also to a small extent used as fodder was sold for Rs. 472 against Rs. 484 in the previous year. In *South Malabar*, the right of cutting and removing grass was leased out as the proposal to carry out hay-making operations had to be abandoned. In the *Nilgiris* and *Madura*, grass was allowed to be removed on permits.

(3) *Hay-making.*

29. In *Ganjám*, grass was not exploited for supply to the Bengal Paper Mills as the rates offered did not leave any margin of profit. In *Kistna*, two lever and block presses

were bought for Rs. 908-8-0, but only one could be used. One hundred and fifty tons of grass were cut, from which there was an outturn of 91 tons of hay. This was sent to the Bezwada depot where only a small quantity was sold at Rs. 20 per ton. The cost incurred has come to Rs. 18-12-8 per ton, besides a capital outlay of Rs. 547 expended on the purchase of one press, scales, weights, etc., and construction of a temporary shed and three platforms, and on other contingencies. In *Anantapur*, 7¼ tons of grass were cut, dried and stacked in the head-quarters bungalow compound at a cost of Rs. 42, but neither this nor 29 tons on hand at the commencement of the year was sold. In *Cuddapah*, out of 8¾ tons of hay collected in the previous year, only 7½ cwts. were sold for Rs. 2-1-9. In *North Arcot*, hay-making operations were abandoned on account of heavy rains and most of the 5,000 lbs. of grass collected for the purpose were spoiled. A small quantity of hay made in Tirukkóyilúr range, *South Arcot*, became useless as the grass was cut too late. The 1½ tons of hay that remained unsold last year in *North Salem* were sold for Rs. 21, and there being no market, no more hay was collected. In *South Salem*, 16 tons and 128 lbs. of hay were collected at a cost of Rs. 76 and there remained a balance, 34 tons and 1,792 lbs., from the previous year (thus making up a total of 50 tons and 1,920 lbs.). Of this, 8 tons 1,176 lbs. were burnt, the cost for which was since recovered from the subordinates in charge; 3 tons 950 lbs. were used departmentally and 11 tons 2,126 lbs. sold in public auction and fetched Rs. 18-8-6. Practically there was no demand and special attempts made to dispose of the balance proved a failure. In *North Coimbatore*, 25 tons of hay were collected at a cost of Rs. 116 but not being properly dried it was spoiled by fermentation. In *South Coimbatore*, arrangements were made to manufacture 30 tons of hay in Méttupálaiyam range and 25 tons in Pollachi range for supply to Government cattle. In the former range only a little over 2 tons was made and the work had to be stopped as it was begun too late and in the latter the range officer was able to make only about 2 tons.

(4) *Grazing.*

30. The following statement compares the revenue derived from grazing and grass removals during the year with that of the previous year:—

Circle.	1902-1903.	1903-1904.	Difference.
	RS.	RS.	RS.
Northern Circle	2,29,062	2,27,781	— 1,281
Central „	2,51,331	2,64,872	+ 13,541
Southern „	98,107	1,14,747	+ 16,640
Total ..	5,78,500	6,07,400	+ 28,900

The increase in the Central Circle arose chiefly in *Nellore*, *South Arcot* and *North Salem*, while that in the Southern Circle in *North Coimbatore*, *Madura* and *Tinnevelly*. The introduction of the Kancha system in *Nellore*, the favourable season in *South Arcot* which induced ryots to obtain permits for more buffaloes and cows as also the closer supervision over the subordinate staff, and in *North Salem*, the issue of licenses to a larger number of cows and goats, accounted for the increase in those districts. In *North Coimbatore*, careful check of cattle pens; in *Madura*, the taking of permits for a larger number of animals, and in *Tinnevelly*, greater activity on the part of the subordinate staff in checking illicit grazing, etc., were the causes for increased revenue.

(*b*) Agency of Exploitation.

(i) *Departmental Agency.*

31. Forms Nos. 55 and 56 show separately the different classes of produce collected and Form No. 57 indicates the stock disposed of and the balance on hand at the close of the year. The exploitation by departmental agency was necessary for conducting improvement fellings as prescribed in the working plans, for demarcation and fire-line clearings and for the supply of fuel, etc. to railways, to sale depots established in several important towns for the convenience of the public, and to Government jails and other public departments. The total quantity of timber and fuel, the number of bamboos and the value of the minor produce extracted departmentally were respectively 36·75, 1·38 and 4·68 per cent. of their respective total outturn through all agencies and the total value of the disposals of the year was Rs. 6,36,421.

Transport was chiefly effected by country carts, ponies, coolies, drag bullocks and buffaloes, donkeys, railways and boats. In *Nellore*, the wood felled in Sríharikóta was carried by tram to the canal boats. In *South Canara* and *South Malabar*, the timber felled was dragged by elephants to the river bank or to the carting places. At Mount Stuart in *South Coimbatore* timber was sent down by wire ropeway.

Timber.—The quantity of timber exploited was 320,194 cubic feet or 122,306 cubic feet less than in the previous year the decrease occurring chiefly in *Ganjám*, *Bellary*, *North* and *South Malabar*. In *Ganjám*, sâl coppice coupes were sold standing to contractors instead of being felled departmentally and only a small quantity of this timber was exploited from the unreserved lands of Pondakhol, while in *Bellary*, the coupes prescribed in the working plans for the year were not worked. Less timber was yielded by the fire-line clearings in *North Malabar* and the small area of the improvement fellings in *South Malabar* also contributed towards the fall in the quantity of timber felled.

Fuel.—The amount of fuel removed departmentally was 6,180,438 cubic feet or 760,669 cubic feet less than in the previous year. Less fuel was taken by railways from *Kurnool*, *North* and *South Salem* and the *Nilgiris* and the introduction of the modified permit system in *Madura* also accounts for some of the decrease.

Bamboos.—The number of bamboos extracted departmentally was 513,189 or 192,903 more than in the previous year. The increased collection arose from improved demand for the coupes in the Mohiri hills, *Ganjám ; from* the supply of bamboos for the people of Vániyambádi who lost their houses by the floods of 1903 in *North Salem*; and from the felling of bamboos for the floating of timber to Hampapur depot, *North Malabar.*

Minor Produce.—The produce collected was 104,763 maunds (of 25 lbs.) or 61,384 maunds more than in the previous year. The increase was due to hay-making in *Kistna* and *Bellary* as well as to the departmental collection in the leased forests of *Bellary* and to the larger collections especially of gallnuts in *North Coimbatore.*

(ii) *By Purchasers.*

32. The pre-payment system introduced last year did not work satisfactorily in *Kistna* and *North Coimbatore*. In the former district it was, however, proposed to make a trial for another year and in the latter the old system was reverted to, as it was found impossible to secure permit-issuing officers who could afford to purchase sufficiently large stock of permits for issue. In the districts of *North Arcot*, *North* and *South Salem* and *Trichinopoly*, this system is reported to have worked satisfactorily. Since the remaining districts do not complain about it, it is therefore believed to be working fairly. As a rule, 70 to 75 per cent. of the permits issued were checked at the recovering stations.

The total value of sales was Rs. 8,00,391 from major produce including bamboos and Rs. 11,56,409 from minor produce showing an increase of Rs. 41,022 in the former and Rs. 1,02,409 in the latter over the previous year's figures. This arose from the extensive removal of timber in *Cuddapah* for building houses damaged by floods, and is also due to better prices realized at the casuarina sales in *Nellore*, to the value of trees on a larger area of lands taken on darkhast in *South Arcot* owing to favourable season, and to excess fuel removed by purchasers in *Madura*. The increase in minor produce arose chiefly in *Kistna*, *North* and *South Arcot*, *South Canara* and *North Coimbatore*. In *Kistna*, the sale amount of barks for 1904–1905 was included in this year's accounts. In *North Arcot*, larger amounts were realized in respect of contracts and the sale amounts for barks for three years commencing from 1903–1904 were included in this year's accounts. In *South Arcot*, more permits were taken for grazing and for removal of gravel. In *South Canara*, good prices were realized from sales and certain sums due for 1904–1905 were collected and credited in this year's accounts. In *North Coimbatore*, the increase is attributed to careful check of cattle pens and to the leasing of avaram (*Cassia auriculata*) and vembadam (*Ventilago Madraspatana*) barks in certain taluks where there was no demand previously.

The sales of confiscated produce are recorded in Form No. 72-B and show an increase of Rs. 3,596 in the amount realized over the previous year, chiefly because more timber was recovered in *South Malabar* and *Tinnevelly* and in the latter more fuel also.

(iii) *Rights and Privileges.*

33. The following abstract statement shows the estimated quantity and value of produce removed under this head:—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	1,311	94	257,510	4,825	20,489	128	38,950	1,020	45,017
Central ,, ...	..	..	..	..	..	..	..	356	356
Southern ,, ...	76,010	29,961	621	34	9,423	71	2,348	831	33,245
Total ..	77,321	30,055	258,131	4,859	29,912	199	41,298	2,207	78,618

The value of produce removed under rights and privileges is estimated at Rs. 78,618 against Rs. 47,253 in 1902-1903. The increase arose from including the value of the produce removed by Kumaki holders in *South Canara*, whereas it was hitherto omitted.

(iv) *Free grants.*

34. The following abstract statement shows the quantity and value of produce removed by free grantees:—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	34,020	3,868	3,871	65	56,950	397	265	1,089	5,684
Central ,, ...	31,364	4,684	400	25	172,825	474	623	3,855	9,661
Southern ,, ...	2,295	338	4,530	284	3,585	32	54	..	708
Total ..	67,679	8,890	8,801	374	233,360	903	942	4,944	16,053

The estimated total value of the free grants was Rs. 16,053 against Rs. 7,724 of the previous year. No grants were made in *Tanjore* and *North Malabar*. In other districts the grants were made chiefly for poor ryots for rebuilding houses and huts destroyed by fire and floods, specially in *Kistna*, *Cuddapah*, *North* and *South Arcot* where many houses were ruined by floods. Besides these, people of Madanapalle, Vayalpad and Kadiri taluks were allowed to cut and remove timber free for constructing temporary sheds to live outside the town on account of outbreak of plague. In *North Salem*, large quantities of timber and bamboos were collected and stored at the Vániyambádi depot for free supply to the people who lost their houses during floods but as the applications for house sites in the new locality were not finally settled, distribution of this produce was not made. The cost of felling and transporting this free supply came from the Forest Budget's allotment.

(*c*) OUTTURN AND SOURCES OF FOREST PRODUCE.

35. The following abstract shows the total outturn of timber and other produce collected during this and the previous year from reserved forests and from reserved and unreserved lands.

(*Forms Nos.* 55, 56, *and* 72 *b.*)

Agency of exploitation.	Timber in cubic feet including sandalwood.		Fuel in cubic feet.		Bamboos in numbers.		Minor produce (inclusive of grass and grazing) (gross value in rupees).	
	1902–1903.	1903–1904.	1902–1903.	1903–1904.	1902–1903.	1903–1904.	1902–1903.	1903–1904.
1	2	3	4	5	6	7	8	9
By Government Agency ..	442,500	320,194	6,941,107	6,180,438	320,286	513,189	44,903	59,292
By purchasers (including confiscations)	2,798,764	2,516,686	11,454,242	10,975,371	35,367,808	36,249,093	10,55,502	11,57,981
By right-holders	1,991	77,321	257,899	258,131	22,014	29,912	42,119	43,505
By free grantees	54,303	67,679	7,750	8,801	134,620	233,360	1,731	5,886
Total ..	3,297,558	2,981,880	18,660,998	17,422,741	35,844,728	37,025,554	11,44,255	12,66,664

The results show decrease under timber and fuel and increase under bamboos and minor produce. The variations have already been explained under the above sub-sections.

The rates of grazing fees levied in the several districts are shown in Form No. 53. The number of animals licensed to grazing on payment was 3,320,495.

CHAPTER III.—FINANCIAL RESULTS.

36. The financial results for the Presidency compared with those of the previous year and with the average of the five years preceding show a net increase of Rs. 1,31,922 and Rs. 2,72,747, respectively.

—	Years.					Average per year.	1902-1903.	1903-1904.
	1897-98.	1898-99.	1899-1900.	1900-1901.	1901-1902.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	5,99,670	6,14,046	7,13,954	7,79,146	8,86,581	7,18,679	8,64,915	8,94,216
Central "	8,88,834	8,73,772	9,63,093	9,34,847	10,22,586	9,36,626	10,17,632	10,01,313
Southern "	6,62,610	5,87,436	6,36,460	7,29,780	5,87,327	6,40,723	7,10,232	7,95,042
Total ..	21,51,114	20,75,254	23,13,507	24,43,773	24,96,494	22,96,028	25,92,779	26,90,571
Expenditure "A. Conservancy and Works".								
Northern Circle	2,06,027	1,98,750	2,29,397	2,13,108	2,31,660	2,15,788	2,55,084	2,91,822
Central "	2,78,206	2,48,912	2,85,449	2,76,620	3,20,428	2,81,923	2,92,415	2,56,418
Southern "	2,84,977	3,20,139	3,17,555	3,86,322	3,35,137	3,28,826	4,24,886	3,89,481
Total ..	7,69,210	7,67,801	8,32,401	8,76,050	8,87,225	8,26,537	9,72,385	9,37,721
Expenditure "B. Establishments".								
Northern Circle	2,61,999	2,59,525	2,65,661	2,57,146	2,58,497	2,60,565	2,59,801	2,80,763
Central "	2,78,281	2,81,023	2,94,553	3,14,479	3,10,844	2,95,836	3,10,342	2,94,846
Southern "	2,78,999	2,83,800	2,95,581	2,90,515	2,89,555	2,87,690	2,84,027	2,79,095
Total ..	8,19,279	8,24,348	8,55,795	8,62,140	8,58,896	8,44,091	8,54,170	8,54,704
Total of A. and B.								
Northern Circle	4,68,026	4,58,275	4,95,058	4,70,254	4,90,157	4,76,354	5,14,885	5,72,585
Central "	5,56,487	5,29,935	5,80,002	5,91,099	6,31,272	5,77,759	6,02,757	5,51,264
Southern "	5,63,976	6,03,939	6,13,136	6,76,837	6,24,692	6,16,516	7,08,913	6,68,576
Total ..	15,88,489	15,92,149	16,88,196	17,38,190	17,46,121	16,70,629	18,26,555	17,92,425
Net results.								
Northern Circle	+ 1,31,644	+ 1,55,771	+ 2,18,896	+ 3,08,892	+ 3,96,424	+ 2,42,325	+ 3,50,030	+ 3,21,631
Central "	+ 3,32,347	+ 3,43,837	+ 3,83,091	+ 3,43,748	+ 3,91,314	+ 3,58,867	+ 4,14,875	+ 4,50,049
Southern "	+ 98,634	— 16,503	+ 23,324	+ 52,943	— 37,365	+ 24,207	+ 1,319	+ 1,26,466
Total ..	+ 5,62,625	+4,83,105	+ 6,25,311	+ 7,05,583	+ 7,50,373	+ 6,25,399	+ 7,66,224	+ 8,98,146

The gross receipts were Rs. 97,792 more than in the previous year and the total expenditure less by Rs. 34,130. The net results show an increase in each Circle. The total receipts for the year rose by 3·77 per cent. and the total charges decreased by 1·87 per cent. to Rs. 17,92,425. There was a net surplus of Rs. 8,98,146 which is Rs. 1,31,922 in excess of that of the previous year. Of the expenditure about 44 per cent. was devoted to the upkeep and improvement of forests and 56 per cent. to exploitation, etc. Departmental exploitation yielded a profit of 23 per cent. The outstandings due at the beginning of the year amounted to Rs. 1,81,058 and the value of the sales, etc., during the year to Rs. 26,92,740. Out of this total of Rs. 28,73,798, Rs. 26,90,571 were collected and Rs. 920 written off leaving an outstanding amount of Rs. 1,82,307 at the close of the year.

The variations under the several budget heads of revenue and expenditure during the past two years are explained below:—

RECEIPTS.

(i) *By Departmental Agency.*

Timber—Rs. 6,020.—The deficit is mainly due (1) to absence of demand for redwood roots and stumps in Cuddapah, (2) to the smaller sales of timber in North

Malabar, where the fellings were restricted to trees standing on the new fire lines and (3) to a smaller number of saplings transported to Beypore in South Malabar which were sold at lower prices.

These deficits were partly counterbalanced by increase in South Coimbatore on account of (1) the receipt of an advance from the Public Works Department for the supply of sawn timber required for the new District Court building, (2) the opening of an additional sale depot and (3) larger sales of timber.

Fuel—Rs. 37,022.—The deficit was accounted for by the discontinuance of supply of railway fuel in North and South Salem.

Bamboos + Rs. 995.—Improved demand for bamboos from the coupes in the Mohiri hills of Ganjám accounts for increase under this head.

Sandalwood + Rs. 15,917.—The increase was due to sale of two years' stock of sandalwood from Bhaváni Range, North Coimbatore, in the European and local markets.

Minor produce + Rs. 2,513.—Due mainly to adjustment during the year in North Coimbatore of the sale-proceeds of gall-nuts collected in the previous year.

(ii) *By Purchasers.*

Timber — Rs. 24,383.—Due chiefly to the introduction of the scheme of opening coupes to ensure located fellings in Kistna and to the removal during the year in South Malabar of a smaller quantity of dead and wind-blown trees.

Fuel + Rs. 45,190.—Due to sale during the year in Trichinopoly of certain firewood coupes which had been left unworked in 1902–1903 in addition to those prescribed for the year, to higher prices realized for firewood coupes sold by auction in Tinnevelly and in Madura, to the sale of a larger number of firewood coupes and trees on tank-beds.

Bamboos + Rs. 6,156.—Due chiefly to more favourable prices realized in North Arcot.

Grazing and Fodder grass + Rs. 28,900.—The reasons for the increase are explained in paragraph 30.

Other produce + Rs. 57,091.—This increase arose from (1) better prices secured for tangedu bark and tree fruit in Cuddapah, (2) better arrangements made for the removal of manure leaves from reserved forests in Trichinopoly, (3) increased receipts from tree owners' fees chiefly in Kurnool, Cuddapah, North Arcot and South Canara, and (4) better prices realized at sales of minor produce owing to competition in Tinnevelly.

(iii) *Miscellaneous (including Confiscated drift and waif wood).*

Revenue + Rs. 8,455.—Due mainly to increased compounding fees levied on the larger number of offences detected in Madura and credited to head V and to the value realized by sale of elephants in North and South Malabar.

Expenditure.

A. Conservancy and Works.

The expenditure is less by Rs. 34,664 than in the previous year due chiefly to (1) cessation of supply of fuel to the Madras Railway in North and South Salem partly counterbalanced by increased expenditure in Trichinopoly and Madura owing to the opening of fuel depots in the former district and to the supply to the South Indian Railway from both the districts of a larger quantity of fuel than was anticipated, (2) to non-purchase of elephants in the Southern Circle, (3) to the absence of further large outlay on the construction of a ghat road in North Coimbatore and (4) to smaller outlay under VIII (*b*) Land acquisition.

B. Establishments.

The cost of the establishment increased by only Rs. 534.

Revenue.—Kurnool heads the list by contributing 10 per cent. of the net surplus for the whole Presidency, Gódávari, Kistna and South Arcot standing next with 9, 8 and 8 per cent., respectively, followed by Madura, Cuddapah and Trichinopoly, each about 7 per cent.

CHAPTER IV.—ADMINISTRATION.

Conduct of Establishments.

37. (i) *Executive Staff—Northern Circle.*—In *Gódávari* one Ranger forfeited his appointment for overstaying joining time. In *Kistna*, three Rangers were reduced to the class of Deputy Ranger, one of them for a period of a year; and a second was further suspended for a week for absence after the period of reduction. In *Kurnool*, the work of some of the Rangers in the Nallamalais was very unsatisfactory and the Collector thinks that the continued thefts on these hills are being connived at by them. One Ranger was suspended for collecting money from his subordinates and for remitting the same to the head clerk of the District Forest Office for the marriage of the latter's daughter. The head clerk was dismissed the service, the charge of collecting the money from the Range Officer having been proved. In *Bellary*, one Deputy Ranger was suspended for disobedience and the services of another were dispensed with for the same reason. There was a slight improvement in the conduct of the executive staff in Anantapur.

Central Circle.—In *Nellore* one acting Ranger was suspended on charges of misappropriation of forest produce and a Deputy Ranger was suspended for misconduct. One Deputy Ranger in *Chingleput* was dimissed from service for several gross irregularities committed by him. The conduct of the executive staff in *Cuddapah* and *North Salem* was, with a few exceptions, satisfactory, while in *South Arcot* it continued to be unsatisfactory. One acting Ranger in *Trichinopoly* was removed from service, for giving false evidence in a magisterial enquiry to screen the malpractices of his subordinates.

Southern Circle.—In *South Canara*, some of the Rangers were punished severely for delinquency. One Ranger whose work was never satisfactory and who was found incompetent to hold charge of a range resigned his appointment. In *South Malabar*, one Deputy Ranger was dismissed for conniving at large illicit fellings. In *North Coimbatore*, one Ranger was suspended and a Deputy Ranger dismissed and another was reduced a grade for suspicious conduct and transferred to *North Malabar*. In *Madura*, two Rangers were deprived of their acting promotion for unsatisfactory work and transferred to other districts. The conduct of the executive staff in the *Nilgiris* and *Tinnevelly* was reported to be satisfactory.

38. (ii) *Protective Staff.*—The conduct of the protective staff in the three circles was as usual very unsatisfactory and showed little improvement. There was the usual number of suspensions, reductions, dismissals and criminal convictions among Foresters, guards, and other lower subordinates for various irregularities including neglect of duty, extortion, corruption, misappropriation, etc. One probationary Forester in *North Coimbatore* was prosecuted and convicted for misappropriating Government money.

39. (iii) The conduct of the ministerial establishment continued on the whole to be satisfactory.—The conduct of the head clerk of the District Forest Office, *Kurnool*, has already been noticed above.

40. *Health of the establishment.*—The health of the establishment was fair in all the districts except *Vizagapatam*, *Gódávari*, *Kurnool* and *Anantapur*, and indifferent in *South Malabar*, *North* and *South Coimbatore*, *North* and *South Salem*. In *Gódávari*, the sub-division was the unhealthiest part. In *Anantapur*, it was worse than usual owing to abnormal rainfall. The Pachamalais in *Trichinopoly*, the Javadis in *North Arcot*, the Tenmalais in *South Arcot*, the Sríharikóta and parts of the coast range in *Nellore*, the ghát tracts in *South Canara*, the Mudumalais and Sígúr Ranges in the *Nilgiris* and the *North Malabar* district continued as usual to be unhealthy and there were also a few casualties in some of these tracts.

41. *Relations between Revenue and Forest officials.*—There was no friction between the Revenue and Forest officials which came to notice. The instructions of the Board in the matter of the conference of these officers during jamabandi were attended to in all the districts except *Gódávari*, *Bellary*, *Tanjore*, *North* and *South Coimbatore* and *South Malabar*. In *Gódávari*, one of the Divisional Officers whom the District Forest Officer had arranged to meet having altered his programme at the last moment no meeting was possible. In *Bellary*, no arrangement was made to meet the Jamabandi

officers and the Collector has reported that the attention of the officers concerned will be drawn to the omission. In *South Coimbatore* the District Forest Officer being engaged otherwise at the time could not confer with the Jamabandi officers. In *Tanjore*, *North Salem*, *North Coimbatore* and *South Malabar* there was no necessity for a conference. In *Nellore* the extension of goat browsing to the taluks of Atmakúru and Udayagiri was urged and the Collector's proposals in the matter are being considered. In *South Salem* a complaint regarding want of land for extension of cultivation was made, but the grievance was however found to be unreal. No question of special importance cropped up in other districts.

42. *Service books.*—These are reported to have been maintained and verified in all the districts except in *South Arcot* where some books remained to be verified at the close of the year.

43. *Tours of the Forest Member.*—Mr. H. A. Sim, C.I.E., was Forest Member of the Board up to 31st March 1904 and the Hon'ble Mr. C. J. Weir during the remaining portion of the year. The former visited the districts of Anantapur, the Nilgiris and Kurnool and the latter Madura and the Nilgiris.

44. *Conservators' inspections.*—The Conservators of Forests visited all the districts and inspected all the District Forest Offices in their respective circles except the District Forest Office, Vizagapatam.

45. *Touring of District Forest Officers.*—More than six months were spent in camp by all the District Forest Officers except those of *South Arcot*, *North Salem* and *North Coimbatore.* The touring of the District Forest Officer, *South Arcot,* fell short by only a few days. The short touring by the District Forest Officer, *North Salem*, was due to his being engaged in forest settlement and working-plans work, while that by the District Forest Officer, *North Coimbatore*, to his having held charge of the division in addition to the Working-plans office.

46. *Inspection of Range offices by District Forest Officers.*—The Range offices in all the districts except *Vizagapatam*, *Kurnool*, *Cuddapah*, *Nellore*, *North Arcot*, *Malabar*, *Nilgiris* and *North* and *South Coimbatore* were inspected twice. In the districts excepted some Range offices were inspected only once.

47 *Audit of accounts of the District Forest Offices.*—The accounts of all the District Forest Offices except *Ganjám*, *Vizagapatam*, *Cuddapah*, *Chingleput*, *South Arcot*, *Trichinopoly*, *Nilgiris* and *North* and *South Coimbatore* were, as usual, audited by the Local Fund inspecting staff of the Accountant-General's office, and the results are reported to be satisfactory. The accounts of *Trichinopoly* were audited after the close of the year.

48. *Forest School.*—One Deputy Ranger from each of the Circles, three stipendiary students from the *Central Circle* and one student from the *Northern Circle* were sent to the school. From it came one Deputy Ranger to the *Northern Circle*, one Ranger and three Deputy Rangers to *Central Circle* and one Ranger to the *Southern Circle*, all with Rangers' certificate. The question of establishing schools locally for the training of Forest guards and Foresters was fully gone into by the Board and preliminary proposals submitted to Government for approval.

49. *Work and services of Superior officers—Northern Circle.*—Mr. A. W. Lushington, the Acting Conservator of Forests, *Northern Circle*, writes as follows:—

"Mr. Wood in *Kurnool* has had a vast amount of work in an enormous new district and deserves the greatest credit for everything he has undertaken: the railway contract has been most satisfactorily pushed through, and this was the most important work of the year.

"Mr. Aitchison in *Vizagapatam* has worked most energetically and his tactful management of the hillmen was the cause of complete success in the protection of the hills from fire.

"Mr. Barlow Poole in *Anantapur* has had a great deal of trouble with faulty demarcation which he has been rectifying, and in preparing working plans for four out of five of the ranges in his division for which he deserves commendations.

"It is to be regretted that in *Bellary* forest administration has been by no means successful, the small railway fuel contract proved an utter failure, the felling, stacking, carting were all badly done, the fuel returns were allowed to get into a terrible state, and large quantities have had to be written off stock, the demarcation was found to be very faulty, and protection was exceedingly bad, and the live-stock was maintained in a very bad condition.

"The other officers have all worked well."

Central Circle.—The following is an extract from the Collector's remarks in district reports with the opinion of the Conservator Mr. E. D. M. Hooper :—

Cuddapah.—The Collector reports : "Mr. C. M. Hodgson who has been in charge for the latter portion of the year, seems an able and efficient officer and has rapidly made himself acquainted with the local conditions" and the Conservator in endorsing the remarks considers him a great acquisition to the Madras staff.

Nellore.—The Collector says of Mr. Murray : "I consider the results highly creditable to the District Forest Officer."

Chingleput.—The Collector says : "I have had no reason to alter the good opinion I have expressed of Mr. Woutersz' work in previous years. I think he has done his best with the means at his disposal" and the Conservator again expresses an unfavorable opinion of the officer's work.

North Arcot.—The Conservator remarks as follows : "The district charge was held by Mr. J. S. Battie for most of the period under report and he upheld his reputation as a practical administrator."

South Arcot.—The Collector says : "I have nothing to add to what I wrote under this head a year ago, viz., Mr. Peake continues to show himself a most zealous and painstaking officer." The Conservator considers that this officer's administration would be more successful if he would avoid overwhelming himself with office work.

North Salem.—The Collector says : "Mr. Rama Rao takes considerable interest in his work and has performed his duties most satisfactorily during the year." The Conservator recognises the good work done.

South Salem.—The Collector says : "Mr. Lodge worked as usual indefatigably during his tenure of office. Mr. Bapu Rao being new to so important a forest charge probably did his best, but he is hardly equal to the work." The Conservator adds Mr. Lodge held the Northern Circle Conservatorship during three months and then took leave. Mr. Bapu Rao has done better since he learnt the district work.

Trichinopoly.—The Collector writes : "My predecessor Mr. Bedford has recorded the following remarks in the District Forest Officer's diary for the week ending 14th May 1904.

"I take this opportunity of testifying to the tact and energy displayed by Mr. Nallaswami Naidu in his forest administration and the eminently successful financial results of his work. I have seldom met with a District Forest Officer who managed to keep so clear of friction with officers of other departments".

"From what I have seen of the District Forest Officers work during the short time I have been in Trichinopoly, I endorse the above remarks. Under his careful supervision forest revenue is annually increasing. In consideration of the good work done by him he has received this year the title of Rao Sahib."

The Conservator considers Mr. Nallaswami Naidu has worked very well indeed and controlled his charge admirably.

An Extra Assistant Conservator Mr. S. C. Moss died of cholera and another Mr. H. Ward died of chronic dysentery shortly after taking his pension.

Southern Circle.—Mr. C. E. Brasier, the Conservator of Forests, writes as follows:—

Mr. H. A. Latham held charge of South Canara district during the year and worked zealously and well as usual. He is however poorly seconded in this respect by his subordinate officers to whom he may be a little too kind.

Mr. H. Tireman held charge of the two divisions of North and South Malabar and considering the rather too heavy duties thrown on him in this connection did good and satisfactory work on the whole.

Mr. G. Hadfield in the Nilgiris did good work as usual. His health however prevented him from visiting the more feverish portions of his charge, viz., the Mudumalai and Sigúr ranges.

Mr. P. M. Lushington in North Coimbatore performed his duties with his usual ability. The net forest revenue of the district showed a large increase, amounting to Rs. 35,850, which speaks creditably for his administration.

Mr. A. B. Jackson was in South Coimbatore for over six months and in the Nilgiri division for about five months. The performance of his duties in the former district was somewhat interfered with through illness, otherwise his work was satisfactory.

Mr. C. D. P. Thornton while in South Coimbatore for about 3⅔ months conducted his work with the energy and zeal characteristic of him.

Mr. H. B. Bryant held charge of the Madura district, which is owing to his efficient management one of the most progressive forest charges of the circle.

Mr. R. D. Richmond's work in Tinnevelly is spoken of very highly by the Collector and I fully endorse his views.

The Collector says "I desire to place on record my cordial appreciation of Mr. Richmond's "work during the year. He knows thoroughly what he is about, and has the zeal and energy to "supervise closely both office and out-door work. He has been, in the truest sense of the word, "my Assistant."

Mr. S. Cox was on special duty for three months in connection with capturing elephants and performed his duties with his usual energy and intelligence. He was also in North Coimbatore. He is an exceptionally capable officer.

CHAPTER V.—GENERAL.

50. *Realization of revenue from the usufruct of toddy yielding trees on Government wastes and poramboke lands.*—The revenue under this head continued small in *Ganjám*, *Vizagapatam*, *Trichinopoly*, *North Coimbatore* and *Madura*. In *Gódávari*, the revenue fell by about Rs. 1,900; while in *Kistna* and *Kurnool*, it increased by Rs. 327 and Rs. 2,093, respectively. The fixed fee system remained in force in *Bellary*, *North Arcot* and *Anantapur* an increase occurring in the revenue of the former districts and a slight decrease in the last. In *Cuddapah*, there were very few applications to tap trees in reserved forests and the revenue under the head was entirely from trees on unreserved lands. The special rate of one anna per palmyra and date tree continued to be charged in *Nellore*, but the collections showed a slight decrease. In *South Arcot*, the usufruct of toddy yielding trees was included in the minor forest produce leases with the express condition however that the lessees should relinquish their rights over such of the trees as were licensed for tapping either before or subsequent to the lease; for the trees so licensed a sum of Rs. 2,104 was realized as tree owner's fees. In *Tinnevelly*, the auction system secured better prices and the revenue increased. In both the divisions of *Salem* the usufruct of the trees not taken up under the fixed fee system was leased out without prejudice to the enjoyment, by the villagers, of the privileges under rule 7 of the rules under section 26 of the Forest Act. In *South Coimbatore*, date is not usually tapped for toddy.

51. *Measures adopted to encourage the growth of manure leaf yielding trees and shrubs.*—With reference to the remarks of Government in their review of the Forest Administration Report for 1901–1902, the question of increasing the supply of green manure at cheap rates was fully considered by the Board during the year and a special report on the subject submitted to Government. In the *Northern Circle*, no steps were taken in this direction except in *Kistna* as an adequate supply of leaves is obtained outside the reserves in the districts where the people are in the habit of using leaf manure. In *Kistna*, though the present demand for Kanuga (*Pongamia glabra*) is scarcely apparent, the boundaries of reserved forests are being sown up with this species as the conditions may alter when large areas are brought under cultivation under the Kistna project. In the *Central Circle*, no artificial measures were taken to encourage the growth except in *Chingleput* and *North Arcot*. In the latter, seeds were sown in felled coupes and open forests but the result was not successful from excessive rain. As the demand exceeds the supply available, steps were taken to improve and extend the growth under a definite plan. In *North Arcot*, the blanks in the reserved forests were sown with avaram (*Cassia auriculata*) and other indigenous species and every facility afforded to the ryots by reducing the seigniorage rate and permitting them to remove avaram leaves free from unreserved lands. It is reported that the supply in this district is largely in excess of the demand. The use of manure leaves from reserved forests in *Nellore* had been popularized, but the demand was sufficiently met with from unreserved lands. In *Cuddapah* and in both the divisions of *Salem*, the demand was mostly met from reserves and unreserved lands. In *South Salem*, provision has been made in the working plans for the supply. As the demand in the vicinity of the Barur project in *North Salem* is greater than the supply, steps are being taken to utilize the waste lands in the neighbourhood of Barur tank for growing manure leaf yielding species and the matter is reported to be under correspondence. In *South Arcot*, the issue of permits for manure leaves was taken up departmentally during the year to avoid the chances of lessees of minor forest produce demanding higher rates than those which they were bound by their leases to take from the purchasers as also to prevent fraud, but the enforcement of the conditions as to collection prevented people from taking permits freely in certain localities. In leasing the right to collect the barks of *Cassia auriculata* the leaves of which are mostly used for manure, arrangements were made to meet the demand of the ryots. In *Tanjore*, the attempts made in the previous year

to improve the growth of manure leaf yielding species in the swampy portions of the Kodiakadu reserved forest proved a failure. In *Trichinopoly*, indigenous shrubs of several species are of spontaneous growth in the plain forests and as for the hill forests steps were being taken to sow in selected localities seeds of selected species. In the *Southern Circle*, no action is called for in any of the districts except *Madura* and *Tinnevelly*. In the former district fifteen blocks have been selected to be declared as reserved lands and it is proposed to fence some of them and sow seeds broadcast. In the latter district the experimental sowing of *Tephrosia purpurea* in a selected area proved a failure for want of rain. It is, however, proposed to continue the experiment in tank beds.

52. *Rules under the Forest Act.*—The Timber Transit Rules in force in *Ganjám*, *Kistna*, *Kurnool*, *Cuddapah*, *South Canara* and *South Coimbatore* and the Sandalwood Transit Rules in *North and South Salem* and *North Coimbatore* are reported to have worked fairly satisfactorily, and no hardship or complaint against the working was brought to notice. The question of revising the rules for the transit of timber in *Gódávari* and of the extension of all the provisions of the Timber Transit Rules to *South Malabar* where the registration of property-marks alone was hitherto enforced, were under consideration. The proposed transit rules for *North Arcot* were still under revision, and transit rules for *Madura* have since been sanctioned.

53. *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public, and no complaints or abuses were brought to notice except in *Vizagapatam*, *Nellore* and *South Salem*. In *Vizagapatam* unauthorized collection of fuel on an extensive scale for sugarcane boiling was brought to light. Under cover of the privileges fuel from unreserved lands adjoining Nellore town were brought for sale into the town, and the matter was under investigation by the Collector. In *South Salem* illicit fellings of palmyrah trees in unreserved lands werecarried on on a large scale with the connivance of an influential village munsif who was dismissed the service on this account. Several cases of illicit removal of trees from unreserved lands were detected by the Revenue Inspectors. The clearing of land for cultivation before payment of tree value continued in *Kurnool* during the year. The rules seem not to have been well understood by the people in two taluks in *South Arcot* where the Tahsildars are reported to be granting concessions under rule 7 only on applications being made.

54. *Inventory of valuable stock.*—The stock registers are reported to have been maintained and verified in all the districts. The register in the District Forest office, South Salem, was revised during the year. Form 64 shows the value of the stock in the several districts.

55. *Rain-gauges.*—Readings are reported to have been properly recorded in the districts where the rain-gauges are located, except in *Cuddapah*. The readings in *South Canara* continued to be unreliable while those in *South Salem* and *North Arcot* are reported to have shown some improvement during the year.

56. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, *Bellary*, *Nellore*, *North Arcot*, *North* and *South Salem*, *Trichinopoly*, and *North Coimbatore* the wants of the people were met with by issue of permits from stations located at convenient centres. Depots were also opened in different places to sell firewood, timber, etc., required by the public. In *Kistna* as the yield from located fellings did not meet the agricultural requirements, it was thought best to cut timber departmentally and sell it by auction. The result of this experiment is awaited. In *Kurnool* and *Cuddapah*, agricultural and building materials were manufactured departmentally and offered to the public for sale. In the latter district the usual collection and periodical sale of redwood in Pullampet range were carried out. The complaints made to His Excellency the Governor in the course of his tour in *Anantapur* and *Kurnool* formed the subject of a special enquiry and report as regards Anantapur by the Board's Forest Member, Mr. H. A. Sim and Government have since passed orders thereon. In *Chingleput* coupes in different places were opened for sale of fuel to the public and a depot was also opened for the benefit of the Chingleput town. In *South Arcot* the arrangements made in previous years continued and there were no complaints. A portion of Baindur reserve in *South Canara* was thrown open for collection of dry firewood, manure leaves and grass in head loads free of charge. In *Malabar* the local demand was met from private forests. The sanctioned working

plans in *Madura* provided for the requirements of the public and coupes were also opened in the vicinity of villages. In other districts also it is believed that suitable arrangements were made to meet the wants of the people.

57. *Coffee cultivation in reserved forests.*—In *South Salem* 187 acres in Mallápuram ghât reserve were granted to a planter for coffee cultivation in exchange for a similar area previously leased out to him in the same reserve. Owing to abnormal fall in the price of coffee, the coffee industry in *South Coimbatore* was depressed. Six out of the twenty estates remained uncleared for cultivation and in two others the areas cleared were less than provided in the lease. The growth on the Anamalai hills being very valuable, the resumption of the uncleared six estates by Government to work them out for supply of timber to Kolar gold mines has been recommended. The revision of the draft lease, which was found defective, was also under consideration.

58. *Suits.*—In *Gódávari* the appeals preferred by the claimants to the portion of Coringa extension against the Forest Settlement Officer's decisions were disposed of in favour of Government. The Collector states that the result was mainly due to the splendid manner Mr. E. A. Smith, Forest Settlement Officer, marshalled the facts of the case in his judgment and the painstaking interest he took in studying the authorities. The appeals in *Trichinopoly* and *South Canara* and the civil suits in *Tinnevelly* referred to in the last year's report remained pending.

59. *Elephants.*—The elephant in *Vizagapatam* had better health than in the past. The old animal in the *Nilgiris* continued to be in bad health suffering from zaharabad. Elephant capturing operations were carried out in *North* and *South Malabar* and *South Coimbatore*, and the number of elephants captured was two in each of the first two districts and three in the last. One animal in the *Nilgiris* gave birth to a female calf, one elephant in *North Malabar* and three in *South Coimbatore* died while 13 were sold. The number of animals in charge of the department at the close of the year was 65 against 74 of the previous year. The services of two first class mahouts were secured from other provinces to serve in *South Coimbatore* and *South Malabar*. The question of giving a trial on a small scale to the keddah system of capturing elephants was considered and a special report was sent to the Government. The Government have since passed orders objecting to the keddah system as being unworkable in this Presidency.

60. *The sawmill at Mount Stuart.*—The total quantity of logs sawn into boards and scantlings was 17,695 cubic feet against 20,394 in the previous year. It was decided not to have teak sawn in the mill except to order to avoid loss.

61. *The wire ropeway at Mount Stuart, South Coimbatore.*—The total number of loads sent down the wire ropeway was 263 of 4,717 cubic feet against 435 of 7,123 cubic feet in the previous year, and there was a loss as compared with the road transport. The rope did not work satisfactorily and there were accidents and derailments which necessitated the transport of most of the sawn material by road.

62. *Mica, etc.*—Out of the 31 mines at work in *Nellore* at the beginning of the year, six were either relinquished or their leases cancelled and five new ones were sanctioned during the year, thus leaving the number of sanctioned mines at 30 at the close of the year. There were three mines in patta lands, of which two were sanctioned during the year. The number of mines that were actually working in Government lands were only 24, the cessation of work in the others being due to the flooding of several and to the neglect of the lessees to work the others satisfactorily. The total quantity of mica consigned from the district was 251,295 lb. against 357,614 lb. in the preceding year and the royalty collected thereon amounted to Rs. 10,105 against Rs. 12,429 in the last year. The short consignment was due to some of the richer mines not being worked by a lessee owing to litigation. No accidents were reported during the year.

The plumbago mines in the Rékapalle hills in *Gódávari* continued to be worked and Rs. 563 were realized as royalty. In *Bellary* a license to prospect for gold was granted during the year.

63. *Forest museum.*—Several additions were made during the year to the museum at Coimbatore and the ornamental garden attached to it was also maintained.

APPENDICES.

APPENDICES.

Appendix A.—District areas and Forest reserves.

District.	(a) Total area excluding feudatory and tributary states.	(b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	(b) Occupied area.	Particulars of remaining area (columns 3—4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				(b) Unoccupied, cultivable, unculti-vable and forest areas.	(a) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).		
1	2	3	4	5	6	7	8	9	10	11	12
	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Northern Circle.											
Ganjám	5,356,224	1,609,462	415,082	708,325	486,055	1,194,380	344,589	38,400	382,989	23·80	32·07
Vizagapatam	11,022,714	845,048	176,537	314,517	353,994	668,511	190,700	30,009	220,709	26·12	33·02
Gódávari	5,102,080	2,581,559	1,039,205	1,542,354	..	1,542,354	609,245	48,750	657,995	25·49	42·66
Kistna	5,439,467	3,491,745	2,068,575	1,423,170	..	1,423,170	628,648	12,099	640,747	18·35	45·02
Kurnool	4,849,767	4,217,990	1,422,425	2,795,565	..	2,795,565	1,576,353	118,799	1,695,152	40·19	60·64
Bellary	3,656,230	2,979,318	1,876,231	1,103,087	..	1,103,087	366,508	73,771	440,279	14·78	39·91
Anantapur	3,556,083	3,019,406	1,578,099	1,441,307	..	1,441,307	326,089	..	326,089	10·80	22·62
Total ..	38,982,565	18,744,528	8,576,154	9,328,325	840,049	10,168,374	4,042,132	321,828	4,363,960	23·28	42·92
Central Circle.											
Cuddapah	5,582,739	4,858,645	1,434,251	3,424,089	305	3,424,394	1,416,525	93,760	1,510,285	31·08	44·10
Nellore	5,607,092	2,399,699	1,128,027	1,271,672	..	1,271,672	473,786	4,324	478,110	19·92	37·60
Chingleput	1,971,041	1,306,947	665,917	641,030	..	641,030	136,788	24	136,812	10·47	21·34
North Arcot	4,722,713	2,499,571	893,736	1,605,835	..	1,605,835	825,409	333	825,742	33·04	51·42
South Arcot	3,339,520	2,989,652	1,695,057	1,294,595	..	1,294,595	424,650	..	424,650	14·20	32·80
Salem	4,818,982	3,575,262	1,451,282	2,123,980	..	2,123,980	998,795	61,185	1,059,980	29·65	49·91
Trichinopoly	2,324,804	1,714,853	1,103,079	611,774	..	611,774	192,460	9,095	201,555	11·75	32·95
Tanjore	2,375,386	1,582,935	1,143,228	439,707	..	439,707	12,461	..	12,461	00·79	2·83
Total ..	30,742,277	20,927,564	9,514,577	11,412,682	305	11,412,987	4,480,874	168,721	4,649,595	22·22	40·74
Southern Circle.											
South Canara	2,573,389	2,568,050	696,748	1,871,302	..	1,871,302	423,475	261,036	684,511	26·65	36·58
Malabar	3,703,967	3,684,582	1,106,910	2,577,672	..	2,577,672	287,417	58,239	345,656	9·38	13·41
Nilgiris, The	612,557	612,888	199,381	413,507	..	413,507	261,602	58,056	319,658	52·16	77·30
Coimbatore	5,030,790	4,587,157	2,514,822	2,072,335	..	2,072,335	1,305,873	172,640	1,478,513	32·23	71·35
Madura	5,568,905	2,079,071	1,122,704	956,367	..	956,367	390,242	5,860	396,102	19·05	41·42
Tinnevelly	3,448,922	2,279,284	1,481,756	797,528	..	797,528	279,505	453	279,958	12·28	35·10
Total ..	20,938,530	15,811,032	7,122,321	8,688,711	..	8,688,711	2,948,114	556,284	3,504,398	22·16	40·33
Grand Total ..	90,663,372	55,483,124	25,213,052	29,429,718	840,354	30,270,072	11,471,120	1,046,833	12,517,953	22·56	41·35

(a) Area by professional survey. (b) Area according to village papers.

APPENDIX B.—Reserved forests in square miles.

Districts.	Up to 1902–1903.	During 1902–1903.	During 1903–1904.	Total.
1	2	3	4	5
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle.				
Ganjám	536	..	2	538
Vizagapatam	245	53	..	298
Gódávari	951	1	..	952
Kistna	920	37	25	982
Kurnool	2,296	31 (*a*) + 38 (*a*) — 31 (*b*) — 1	132 (*a*) — 2	2,463
Bellary	561	10	2	573
Anantapur	508	2	..	510
Total ..	6,017	140	159	6,316
Central Circle.				
Cuddapah	2,191	27 (*b*) — 2	(*b*) — 3	2,213
Nellore	723	16	1	740
Chingleput	214	..	..	214
North Arcot	1,266	26 (*a*) — 1	(*a*) — 1	1,290
South Arcot	661	2	..	663
North Salem	1,470 (North and South Salem)	13 (*a*) + 2	19	832
South Salem		13 (*a*) + 26 (*a*) — 16	33	728
Trichinopoly	269	27	5	301
Tanjore	19	..	(*a*) + 1	20
Total ..	6,813	133	55	7,001
Southern Circle.				
South Canara	662	..	..	662
North Malabar	231	..	..	231
South Malabar	218	..	..	218
The Nilgiris	401	2	5	408
North Coimbatore	1,109	215 (*a*) + 9	45	1,378
South Coimbatore	662	..	..	662
Madura	610	— 1	1	610
Tinnevelly	431	5	1	437
Total ..	4,324	230	52	4,606
Grand Total ..	17,154	503	266	17,923

(*a*) Revised estimate. (*b*) Disafforested.

APPENDIX C.—Particulars of balance of lands under Settlement.

District.	Forest settlement. Total number and area of blocks under settlement up to the end of 1903–1904. Number.	Area.	Total number and area of blocks constituted finally as reserved forests up to the end of 1903–1904. Number.	Area.	Balance at the end of 1903–1904. Number.	Area.
1	2	3	4	5	6	7
		SQ. MLS.		SQ. MLS.		SQ. MLS.
Northern Circle.						
Ganjám	52	598	51	538	1	60
Vizagapatam	52	298	52	298	..	..
Gódávari	87	1,028	84	952	3	76
Kistna	227	1,003 (b) — 2	223	982	4	19
Kurnool	102	2,657 (b) — 8	89	2,463	13	186
Bellary	153	626	144	573	9	53
Anantapur	80	510	80	510	..	..
Total ..	753	6,710	723	6,316	30	394
Central Circle.						
Cuddapah	214 (c) — 1 (d) — 2	2,373 (b) — 5 (c) — 5 (d) — 3	205	2,213	6	147
Nellore	233 (c) — 1	748 (c) — 1	227	740	5	7
Chingleput	197	214	196	214	1	(e) ..
North Arcot	193	1,291 (a) — 1	192	1,290	1	(e) ..
South Arcot	157	663	157	663	..	..
North Salem	75	924 (b) — 1	70	832	5	91
South Salem	103	735 (b) — 2	102	728	1	5
Trichinopoly	119	315	115	301	4	14
Tanjore	15	19 (a) + 1	15	20	..	..
Total ..	1,302	7,265	1,279	7,001	23	264
Southern Circle.						
South Canara	132	777	95	662	37	115
North Malabar	24	256	22	231	2	25
South Malabar	13	263	12	218	1	45
The Nilgiris	428	413	412	408	16	5
North Coimbatore	49	1,642 (b) — 2	47	1,378	2	262
South Coimbatore	21	662	21	662	..	..
Madura	149	619	148	610	1	9
Tinnevelly	68	437	63	437	5	(e) ..
Total ..	884	5,067	820	4,606	64	461
Grand Total ..	2,939	19,042	2,822	17,923	117	1,119

(a) Revision of area. (b) Excluded at settlement. (c) Initial notification cancelled. (d) Disafforested. (e) Below one sq. mile.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1903–1904, but reservation effected only after 30th June 1904.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	..	..	..	..	..	..	..	..	1	60
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..	{ 1 (b) 2	75 1
Kistna	1	6	2	* 13	..	..	3	19	..	..	1	(a)
Kurnool	1	1	4	* 65	..	..	5	66	1	1	7	119
Bellary	..	..	1	*(a)	..	..	1	(a)	..	..	8	58
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2	7	7	78	..	..	9	85	1	1	20	308
Central Circle.												
Cuddapah	..	..	..	..	3	128	3	128	{ 1 2	* 6 13 }	..	..
Nellore	1	(a) ..	3	* 3	..	..	4	3	..	..	1	4
Chingleput ..	1	(a) ..	..	..	..	..	1	(a)..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	(b) 1	(a)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	1	4	4	87
South Salem ..	..	..	..	..	..	..	..	..	1	5	..	..
Trichinopoly ..	1	5	1	* 5	..	..	2	10	..	..	2	4
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	5	4	8	3	128	10	141	5	28	8	95
Southern Circle.												
South Canara ..	1	6	2	* 5	1	(a) ..	4	11	2	3	31	101
North Malabar ..	..	..	1	* 4	..	..	1	4	..	..	1	21
South Malabar ..	..	..	..	..	..	..	..	..	..	..	1	45
The Nilgiris ..	9	2	..	..	2	(a) ..	11	2	1	1	4	2
North Coimbatore.	..	..	..	..	..	..	..	..	..	..	2	262
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	1	* 9	..	..	1	9	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	{ 1 (b) 4 }	(a) ..
Total ..	10	8	4	18	3	(a) ..	17	26	3	4	44	431
Grand Total, Presidency ..	15	20	15	104	6	128	36	252	9	33	72	834

(a) Below one square mile. (b) Pending with Revenue Divisional-officers.

* Notified under section 16 subsequent to the close of the year.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																					
	1891-92.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-00.		1900-1901.		1901-1902.		1902-1903.		1903-1904.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	60
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..	2	1
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	12	..	..	..	..	1	7
Kurnool ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	..	..	1	49	6	22	5	27
Bellary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	8	53
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	3	12	3	124	6	22	17	148
Central Circle.																						
Cuddapah ..	..	..	4	134	..	..	..	..	2	13	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	7	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..
North Arcot .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	4	87	..	..	..	..	..	..
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	..	..
Trichinopoly ..	..	..	..	..	..	..	1	2	..	..	3	12	..	..	..	..	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	4	134	..	..	1	2	2	13	3	12	1	4	4	87	..	..	8	12	..	..
Southern Circle.																						
South Canara ..	..	..	1	3	1	4	4	13	..	..	2	21	..	..	1	2	3	15	9	31	16	26
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	1	21
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	45
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	4	1	(a)	..	..	3	1
North Coimbatore	1	246	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	..	..	..	..
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	4	(a)
Total ..	1	246	1	3	1	4	4	13	..	..	2	21	..	..	13	6	8	44	9	31	25	93
Grand Total ..	1	246	5	137	1	4	5	15	3	101	5	33	1	4	20	105	11	168	23	65	42	241

(a) Below one square mile.

APPENDIX D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Notified under section 16 during 1903–1904, but with effect only after 30th June 1904.	With Board or Government awaiting publication of notification under section 16.	Pending with Collectors and Forest-settlement officers for revision.	Awaiting disposal of appeals.	Awaiting grant of compensation or exchange of lands.	Awaiting demarcation and survey of enclosures, and preparation of maps.	Awaiting District Forest-officer's answers to claims, demarcation, etc.	Awaiting inspection by the Forest Settlement officers.	Awaiting information from Tahsildars or other Revenue officers.	Awaiting expiry of time prescribed for appeal.	Other causes (such as recently notified, settlement of village boundary, renotification under section 4) etc.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
Ganjám	..	..	..	..	..	1	..	..	..	..	..	1
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	1	..	..	..	..	..	..	2	3
Kistna	1	2	..	..	..	..	..	..	..	..	1	4
Kurnool	1	4	1	..	2	1	2	..	2	..	..	13
Bellary	..	1	..	..	2	..	..	..	..	..	6	9
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah ..	..	..	6	..	..	..	..	..	..	..	..	6
Nellore	1	3	..	..	..	..	..	..	1	..	..	5
Chingleput ..	1	..	..	..	..	..	..	..	..	..	..	1
North Arcot ..	..	..	..	1	..	..	..	..	..	..	..	1
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	1	1	..	..	..	2	..	1	..	5
South Salem ..	..	..	1	..	..	..	..	..	..	..	..	1
Trichinopoly ..	1	1	..	1	..	..	1	..	..	..	..	4
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
South Canara ..	1	2	3	4	..	..	11	8	..	..	8	37
North Malabar ..	..	1	..	..	..	..	..	1	..	..	..	2
South Malabar ..	..	..	..	..	..	..	..	..	..	..	1	1
The Nilgiris ..	9	..	3	..	..	..	3	1	..	..	..	16
North Coimbatore.	..	..	..	..	..	..	..	1	..	..	1	2
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	1	..	..	..	..	..	..	..	..	..	1
Tinnevelly ..	..	..	..	..	..	..	..	..	1	..	4	5
Total ..	15	15	15	8	4	2	17	13	4	1	23	117

Appendix E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1902–1903.	Added during 1902–1903.	Added during 1903–1904.	Total.	Transferred for settlement.				Balance "reserved lands" not under settlement.
					Up to 1902–1903.	During 1902–1903.	During 1903–1904.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	538	..	60	598	536	2	60	598	..
Vizagapatam ..	344	(a) + 1	..	345	298	..	..	298	47
Gódávari	1,027	..	1	1,028	1,027	..	1	1,028	..
Kistna	1,059	(a) + 2 (b) − 4 (c) − 46 (e) − 8 1	(b) − 2 1	1,001	996 (b) − 2	..	7	1,001	..
Kurnool	2,703	(a) + 8 (b) − 6 (c) − 29 (d) − 1	(a) − 1 (b) − 8 (c) − 19	2,649	2,605	25 (b) − 8	27	2,649	..
Bellary	636	..	53	688	574 (i) − 1	..	53	626	62(g)
Anantapur	510	..	(i) − 1	510	510	..	..	510	..
Total ..	6,817	− 82	84	6,819	6,543	19	148	6,710	109
Central Circle.									
Cuddapah	2,389	(b) − 14 (d) − 2	(b) − 5 (d) − 3 (e) − 5	2,360	2,373 (b) − 5 (d) − 3 (e) − 5	..	..	2,360	..
Nellore	761	(b) − 3 (c) − 6 (e) − 4	(e) − 1	747	741 (e) − 1	7	..	747	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,295	(a) − 1 (b) − 3	(a) − 1	1,290	1,291 (a) − 1	..	..	1,290	(f)
South Arcot ..	664	(a) − 1	..	663	663	..	..	663	..
North Salem ..	923	(a) + 2 (e) − 1	(b) − 1	923	924 (b) − 1	..	..	923	..
South Salem ..	727	(a) + 10 (b) − 2	(b) − 2	733	735 (b) − 2	..	..	733	..
Trichinopoly ..	316	(a) + 2 (b) − 3	..	315	315	..	..	315	..
Tanjore	19	..	(a) + 1	20	19 (a) + 1	..	..	20	..
Total ..	7,308	− 26	− 17	7,265	7,258	7	..	7,265	..
Southern Circle.									
South Canara ..	1,075	(a) − 3 (c) − 1	1 (c) − 2	1,070	720	31	26	777	293
North Malabar ..	235	..	21	256	235	..	21	256	..
South-Malabar ..	266	..	18	284	218	..	45	263	21(h)
The Nilgiris ..	498	..	1	499	412	..	1	413	86(g)
North Coimbatore.	1,649	(a) + 9 (b) − 8	(b) − 2	1,648	1,642 (b) − 2	..	..	1,640	8
South Coimbatore .	662	..	..	662	662	..	..	662	..
Madura	620	(a) − 1	..	619	619	..	..	619	..
Tinnevelly ..	436	1	..	437	436	1	..	437	..
Total ..	5,441	− 3	37	5,475	4,942	32	93	5,067	408
Grand Total ..	19,566	− 111	104	19,559	18,743	58	241	19,042	517

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned. (d) Disafforested.
(e) Initial notification cancelled. (f) Below one square mile. (g) Leased forests.
(h) Nineteen square miles represent leased forests and the remaining two square miles (Panakadan block) have been notified under section 4 subsequent to the close of the year.
(i) Rounding off fractions in previous years' return.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—The district and range maps were posted. Besides 76 maps of fire-protected blocks, 40 maps of coupes and 27 other maps were prepared.

Vizagapatam.—A district reference map showing all reserves, roads, etc. (4 miles = 1″), three range forest reference maps and sketch-maps for reserves were maintained.

Gódávari.—The district map (1″ = 4 miles), also range forest maps and separate maps for each reserve were maintained.

The maps referred to in previous report were maintained.

Kistna.—The maps referred to in the previous report were maintained. Final maps for about 36 square miles of reserved forest were received.

Kurnool.—The maps referred to in the previous report were maintained and final maps for three reserves were received.

Bellary.—The district range and reserve maps were maintained.

Anantapur.—Final maps for four square miles of reserved forests and maps for working plans were prepared during the year.

Central Circle.

Cuddapah.—The district and taluk maps were maintained and posted up as usual. Fair copies of nine reserve maps were prepared for photo-zincography at the Survey office, Madras, and nine tracings of working circles were prepared and supplied to the Range officer, Ráyachóti. All the working circles were posted on the district map and all reserves and working circles were posted on a new district map for the use of District Forest-officer. Adjoining reserves in the Nellore district were posted on the district map.

Nellore.—The maps referred to in section 81 of the Forest Code except range reference maps were maintained. Instead of range reference maps, the taluk maps (1″ = 1 mile) in which the several reserves are indicated by the Survey department are being used. Copies of sketches of final maps for the ranges of Kanigiri, Kávali, Udayagiri, Rapur, Coast and Sríharikóta were supplied to the Range officers concerned.

Chingleput.—The district and taluk maps were maintained. Maps for 32 reserves were under preparation in the Central Survey office, Madras.

North Arcot.—The district and taluk reference maps were posted besides final maps prepared for five blocks covering an aggregate area of 22·14 square miles.

South Arcot.—Office reference map, the District Forest Officer's map and range maps, concession plans, etc., were posted. Besides copies of reserve maps for six blocks (8″ = 1 mile) were prepared in tracing cloth for the use of Range officers. Paper-tracing of two blocks from the Tiruvannámalai working circle maps as also paper outline maps of twelve reserves were prepared and supplied to Range officers.

North Salem.—The district forest reference map and range forest reference maps, Survey of India plans (4″ = 1 mile) for 62 reserved forests, Madras survey maps (8″ = 1 mile) for six reserved forests and departmental survey maps for two reserved forests were maintained. Working plan maps were also kept.

South Salem.—The district maps were posted up. Four copies of index map of Vanavasi and Sheveroys central working plans were prepared and maps of the other working plans corrected. The area burnt during the fire season of 1904 in the coupes and specially protected blocks were marked in the reserve maps concerned and plotted on the respective working plan maps for reference.

Trichinopoly.—The district forest reference and the range reference maps were maintained. Tracings for 63 reserves were also prepared.

Tanjore.—The district as well as the range reference maps with forest reserves, etc., shown in them were maintained. Separate maps for each reserve with topographical features and admitted rights indicated thereon were also kept. Working plan maps (8″ = 1 mile) were maintained for the Vettangudi reserve and the North and South and Neiduvasal casuarina plantations, Shiyali taluk.

Southern Circle.

South Canara.—District reference map was posted up to date and maps for all reserved forests except Bhagimale and Nujimali reserves were maintained.

North Malabar.—The district reference map was posted up to date. Final maps of all reserves have been printed.

South Malabar.—The district reference maps (three copies), range reference maps were posted up during the year. Teak plantations were marked on Karimpoya reserve map and settlement maps of Silent valley, Arimbrakunnu, Kattanikunnu, Panakadan hills were prepared. A tracing of Attipadi valley reserve was also prepared.

Nilgiris, The.—The office reference map was posted up to 30th June 1904. The range topo maps and settlement maps were similarly posted. Working circle plans for nine reserves prepared by Messrs. Gamble and Arbuthnot were also maintained. No separate maps for reserves except Mudumalai, Bene and Kumbarakolli forests were available, but village maps indicating the reserves as notified under section 16 were maintained.

North Coimbatore.—The office reference map was maintained. Reserve maps for all reserves in the Erode range (Erode, Dharapuram and Karûr taluks) are available. Settlement maps have been supplied to all Range officers for the principal reserves to be used with the topographical sheets until survey is completed.

South Coimbatore.—District forest reference map was maintained in duplicate as also range forest reference maps. There are Survey of India maps for all reserves except Elayamuthur, Dhali, Sankararayapuram, Nellimali and Avanashi for which there are maps prepared by the Madras Revenue Survey maps. Separate maps for each of the working circles were maintained.

Madura.—There are Survey of India maps for almost all the reserves except for ten forests.

Tinnevelly.—The district reference map was posted up to 30th June 1904. Final maps for thirteen reserves were under preparation in the Central Survey office, Madras.

APPENDIX G.—Statement showing Area of Reserved Forests for which final Maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	538	538
Vizagapatam	298	14
Gódávari	952	..
Kistna	982	623
Kurnool	2,463	814
Bellary	573	499
Anantapur	510	510
Cuddapah	2,213	2,213
Nellore	740	227
Chingleput	214	68
North Arcot	1,290	1,270
South Arcot	663	663
North Salem	832	832
South Salem	728	698
Trichinopoly	301	108
Tanjore	20	20
South Canara	662	647
North Malabar	231	231
South Malabar	218	35
The Nilgiris	408	..
North Coimbatore	1,378	330
South Coimbatore	662	662
Madura	610	598
Tinnevelly	437	410
Total	17,923	12,010

ANNUAL FORM NO. 44.

Forest Department, Madras Presidency.

AREA of reserved forests and reserved lands during 1903–1904.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1903.		Added during the year.	Excluded during the year.	Area on 30th June 1904.		Area on 1st July 1903.		Added during the year.	Excluded during the year.	Area on 30th June 1904.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle													SQ. MLS.
Ganjám	343,287	536	1,302	..	344,589	538	1,302	2	38,400	1,302	38,400	60	598
Vizagapatam	190,700	298	..	..	190,700	298	30,009	47	..	..	† 30,009	47	345
Gódávari	609,245	952	..	..	609,245	952	47,955	75	795	..	48,750	76	1,028
Kistna	612,460	957	16,208	20	628,648	982	29,725	46	12	17,638	12,099	19	1,001
Kurnool	1,493,327	2,333	84,265	1,239	1,576,353	2,463	219,146	343	1,236	101,583	118,799	186	2,649
Bellary	* 365,382	571	1,176	50	366,508	573	41,437	65	33,520	1,186	73,771	115	688
Anantapur	326,089	510	..	..	326,089	510	..	..	..	..	..	..	510
Total ..	3,940,490	6,157	102,951	1,309	4,042,132	6,316	369,574	578	73,963	121,709	321,828	503	6,819
Central Circle.													
Cuddapah	1,418,143	2,216	..	1,618	1,416,525	2,213	100,460	157	..	6,700	93,760	147	2,360
Nellore	472,761	739	1,025	..	473,786	740	5,708	9	..	1,384	4,324	7	747
Chingleput	136,788	214	..	..	136,788	214	24	..	..	..	24	..	214
North Arcot	826,015	1,291	29	635	825,409	1,290	332	..	1	..	333	..	1,290
South Arcot	424,650	663	..	..	424,650	663	..	..	..	..	..	..	663
North Salem	520,293	813	12,409	58	532,644	832	71,015	111	..	12,589	58,426	91	923
South Salem	444,929	695	21,222	..	466,151	728	25,571	40	..	22,812	2,759	5	733
Trichinopoly	189,258	296	3,202	..	192,460	301	12,400	19	..	3,305	9,095	14	315
Tanjore	12,395	19	103	37	12,461	20	..	..	..	..	..	..	20
Total ..	4,445,232	6,946	37,990	2,348	4,480,874	7,001	215,510	336	1	46,790	168,721	264	7,265
Southern Circle.													
South Canara	423,475	662	..	..	423,475	662	261,767	409	411	1,142	261,036	408	1,070
North Malabar	147,578	231	..	..	147,578	231	2,492	4	13,715	..	16,207	25	256
South Malabar	139,839	218	..	..	139,839	218	30,512	48	11,520	..	42,032	66	284
The Nilgiris	258,258	403	3,344	..	261,602	408	60,662	95	747	3,353	58,056	91	499
North Coimbatore	853,264	1,333	28,952	..	882,216	1,378	202,880	317	..	30,240	172,640	270	1,648
South Coimbatore	423,657	662	..	..	423,657	662	..	..	..	..	..	..	662
Madura	390,042	609	380	180	390,242	610	6,096	10	..	236	5,860	9	619
Tinnevelly	278,896	436	609	..	279,505	437	890	1	172	609	453	..	437
Total ..	2,915,009	4,554	33,285	180	2,948,114	4,606	565,299	884	26,565	35,580	556,284	869	5,475
Grand Total ..	11,300,731	17,657	174,226	3,837	11,471,120	17,923	1,150,383	1,798	100,529	204,079	1,046,833	1,636	19,559

* Correct figure.

† This excludes 403,531 acres of forest and waste lands at the disposal of Government in the Palkonda and Golgonda Agency tracts for the management of which special rules have been framed by Government under section 26 of the Forest Act.

FORM No. 44.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
		Reserved forests.						
Ganjám.	Mobagara I and II	..	..	1,200	..	1,200	..	No. 284, dated 4th July 1903.
	Gogoda extension	..	..	102	..	102	..	No. 346, dated 24th August 1903.
	Area notified in previous years ..	343,287	..	..	..	343,287	..	
	Total ..	343,287	536	1,302	..	344,589	538	
		Reserved lands not transferred to reserved forests during the year.						
	Pondakkol	..	..	38,400	..	38,400	60	No. 436, dated 2nd November 1903.
		Reserved forests.						
Visagapatam.	Area notified in previous years ..	190,700	298	..	..	190,700	298	
		Reserved lands not transferred to reserved forests during the year.						
	Area notified in previous years ..	30,009	47	..	..	30,009	47	
		Reserved forests.						
Gódávari.	Area notified in previous years..	609,245	952	..	..	609,245	952	
		Reserved lands not transferred to reserved forests during the year.						
	Busipakalu enclosure (Marigura reserve).	..	..	300	..	300	..	No. 430, dated 17th October 1903.
	Lakkavaram addition	..	..	495	..	495	..	No. 259, dated 24th June 1904.
	Area notified in previous years..	47,955	..	..	..	47,955	..	
	Total ..	47,955	75	795	..	48,750	76	
		Reserved forests.						
Kistna..	Venkatayapalem Extension No. 8.	..	..	2,069	..	2,069	..	No. 364, dated 10th September 1903.
	Ipurupalem	..	..	4,628	..	4,628	..	No. 389, dated 23rd September 1903.
	Govindapuram	..	..	1,815	..	1,815	..	No. 410, dated 5th October 1903.
	Pillutla	..	..	2,842	..	2,842	..	No. 429, dated 19th September 1903.
	Rammannapeta	..	..	434	..	434	..	No. 498, dated 16th December 1903.
	Muppalla	..	..	2,990	..	2,990	..	No. 25, dated 11th January 1904.
	Yelachitladibba extension ..	..	..	1,430	..	1,430	..	No. 46, dated 21st January 1904.
	Area notified in previous years..	612,460	..	..	(*d*) 20	612,440	..	
	Total ..	612,460	957	16,208	20	628,648	982	
		Reserved lands not transferred to reserved forests during the year.						
	Sorlagondi extension	4,700	..	..	(*c*) 100	4,600	..	No. 347, dated 24th August 1903.
	Area notified in previous years..	8,817	..	(*a*) 12	(*b*) 1,330	7,499	..	
	Total ..	13,517	21	12	1,430	12,099	19	
		Reserved forests.						
Kurnool.	Jaladurgam extension No. 1 ..	..	..	4,108	..	4,108	..	No. 152, dated 9th April 1903.
	Eastern Nallamalai block No. 7.	..	..	2,741	..	2,741	..	No. 182, dated 30th April 1903.
	Eddupenta	..	..	1,472	..	1,472	..	No. 217, dated 29th May 1903.
	Eastern Nallamalai extension No. 13.	..	..	1,380	..	1,380	..	No. 244, dated 12th June 1903.
	Northern Veligonda extension ..	..	..	12,920	..	12,920	..	No. 271, dated 22nd June 1903.
	Kottaburuzu	..	..	1,198	..	1,198	..	No. 283, dated 4th July 1903.

(*a*) Revision of area. (*b*) Excluded at settlement. (*c*) Abandoned. (*d*) Portion of the Lam reserve disafforested.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Added.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests—cont.							
Kurnool.—*cont.*	Eastern Nallamalai block No. 14.	..	..	4,671	..	4,671	..	No. 301, dated 17th July 1903.
	Yadavada	..	..	1,142	..	1,142	..	No. 328, dated 11th August 1903.
	Eastern Nallamalai block No. 12.	..	..	3,864	..	3,864	..	No. 341, dated 18th August 1903.
	Eastern Nallamalai block No. 11.	..	..	4,659	..	4,659	..	No. 358, dated 4th September 1903.
	Pattikonda	..	..	3,960	..	3,960	..	No. 379, dated 14th September 1903.
	Southern Veligonda extension (Allinagaram).	..	..	6,970	..	6,970	..	No. 413, dated 8th October 1903.
	Panem	..	..	23,598	..	23,598	..	No. 454, dated 17th November 1903.
	Eastern Nallamalai block No. 9.	..	..	2,434	..	2,434	..	No. 459, dated 21st November 1903.
	Eastern Nallamalai block No. VI (*a*) (1)—VI (*a*) (2).	..	..	3,387	..	3,387	..	No. 488, dated 9th December 1903.
	Eastern Nallamalai block VI (*b*).	..	..	1,803	..	1,803	..	Do.
	Eastern Nallamalai block VI (*c*).	..	..	1,687	..	1,687	..	Do.
	Tuggali No. II	..	..	2,015	..	2,015	..	No. 38, dated 12th January 1904.
	Area notified in previous years ..	1,493,327	..	(*a*) 256	(*a*) 1,239	1,492,344	..	
	Total ..	1,493,327	2,333	84,265	1,239	1,576,353	2,463	
	Reserved lands not transferred to reserved forests during the year.							
	Ramavaram	2,812	..	..	..	2,812	..	No. 399, dated 30th September 1903.
	Yerragudi	3,655	..	..	..	3,655	..	No. 402, dated 30th Sepetmber 1903.
	Yemboyi	3,455	..	..	..	3,455	..	No. 411, dated 6th October 1903.
	Owk extension	..	..	645	..	645	..	No. 458, dated 19th November 1903.
	Rengapuram	6,822	..	..	..	6,822	..	No. 56, dated 4th February 1904.
	Area notified in previous years ..	118,393	..	(*a*) 591	(*b*) 4,952 (*c*) 12,622	101,410	..	
	Total ..	135,137	211	1,236	17,574	118,799	186	
	Reserved forests.							
Bellary.	Chintapalli South	..	..	1,130	..	1,130	..	No. 150, dated 6th April 1903.
	Mundrigi	..	..	46	..	46	..	No. 218, dated 29th May 1903.
	Area notified in previous years ..	365,382	..	..	(*a*) 50	365,332	..	
	Total ..	365,382	571	1,176	50	366,508	573	
	Reserved lands not transferred to reserved forests during the year.							
	Halasagaram	..	..	5,639	..	5,639	..	No. 27, dated 11th January 1904.
	Tonashigiri	..	..	1,282	..	1,282	..	No. 37, dated 12th January 1904.
	Sheliyappanahalli	..	..	4,237	..	4,237	..	No. 57, dated 4th February 1904.
	Gudekota extension	..	..	1,655	..	1,655	..	Do.
	Choranur	..	..	5,354	..	5,354	..	No. 101, dated 2nd March 1904.
	Hosahalli	..	..	3,647	..	3,647	..	No. 112, dated 9th March 1904.
	Jaramalai	..	..	3,471	..	3,471	..	No. 113, dated 9th March 1904.
	Jammanobanahalli	..	..	8,235	..	8,235	..	No. 153, dated 7th April 1904.
	Area notified in previous years ..	40,261	..	..	(*b*) 10	40,251	..	
	Total ..	40,261	63	33,520	10	73,771	115	
	Reserved forests.							
Anantapur.	Area notified in previous years ..	326,089	510	..	..	326,089	510	
	Reserved lands not transferred to reserved forests during the year—Nil.							

(*a*) Revision of area. (*b*) Excluded at settlement. (*c*) Abandoned.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Cudda-	Chapad	809	..	..	(*d*) 809	..	..	No. 47, dated 21st January 1904.
	Pallavole	809	..	..	(*d*) 809	..	..	Do.
	Area notified in previous years ..	1,416,525	..	..	..	1,416,525	..	
	Total ..	1,418,143	2,216	..	1,618	1,416,525	2,213	
	Reserved lands not transferred to reserved forests during the year.							
	Yellutla extension	3,216	..	..	(*e*) 3,216	..	..	No. 243, dated 9th June 1904.
	Area notified in previous years ..	97,244	..	..	(*b*) 3,484	93,760	..	
	Total ..	100,460	157	..	6,700	93,760	147	
	Reserved forests.							
Nellore.	Utukur Varini block C. extensions A and B	..	..	393	..	393	..	No. 305, dated 24th July 1903.
	Nandanavanam block A-I extension.	..	..	9	..	9	..	No. 329, dated 11th August 1903.
	Lebur blocks Nos. I and II ..	..	..	263	..	263	..	No. 457, dated 17th November 1903.
	Kavali tope	..	..	135	..	135	..	No. 455, dated 21st November 1903.
	Musunur tope	..	..	225	..	225	..	No. 455, dated 21st November 1903.
	Area notified in previous years ..	472,761	..	..	..	472,761	..	
	Total ..	472,761	739	1,025	..	473,786	740	
	Reserved lands not transferred to reserved forests during the year.							
	Srikolanu	233	..	..	(*e*) 233	..	..	No. 108, dated 10th March 1904.
	Area notified in previous years ..	4,450	..	..	(*b*) 126	4,324	..	
	Total ..	4,683	7	..	359	4,324	7	
	Reserved forests.							
Chingleput.	Area notified in previous years ..	136,788	214	..	..	136,788	214	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	24	..	..	..	24	..	
	Reserved forests.							
North Arcot.	Area notified in previous years ..	826,015	1,291	(*a*) 29	(*a*) 635	825,409	1,290	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	332	..	(*a*) 1	..	333	..	
	Reserved forests.							
South Arcot.	Area notified in previous years ..	424,650	663	..	..	424,650	663	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Salem.	Ubrani	..	..	11,940	..	11,940	..	No. 308, dated 28th July 1903.
	Vellakuttai extension A	..	..	469	..	469	..	No. 441, dated 9th November 1903.
	Area notified in previous years ..	520,293	..	..	(*a*) 58	520,235	..	
	Total ..	520,293	813	12,409	58	532,644	832	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	58,606	111	..	(*b*) 180	58,426	91	

(*a*) Revision of area. (*b*) Excluded at settlement. (*d*) Disafforested. (*e*) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfe
				Reserved forests.				
South Salem.	Tirumanur	..	..	4,344	..	4,344	..	No. 209, dated 12th May 1903.
	Sholappadi	..	..	3,494	..	3,494	..	No. 309, dated 27th July 1903.
	Kottopatti extension	..	..	(f) 13,384	..	13,384	..	No. 497, dated 16th December 1903.
	Area notified in previous years ..	444,929	..	..	..	444,929	..	
	Total ..	444,929	695	21,222	..	466,151	728	
				Reserved lands not transferred to reserved forests during the year.				
	Area notified in previous years ..	4,397	7	..	(b) 1,638	2,759	5	
				Reserved forests.				
Trichinopoly.	Manmalai extension	..	..	666	..	666	..	No. 405, dated 28th September 1903.
	Tachankurichi	..	..	2,416	..	2,416	..	No. 12, dated 23rd December 1903.
	Area notified in previous years ..	189,258	..	(a) 120	..	189,378	..	
	Total ..	189,258	296	3,202	..	192,460	301	
				Reserved lands not transferred to reserved forests during the year.				
	Area notified in previous years ..	9,318	15	..	(b) 223	9,095	14	
				Reserved forests.				
Tanjore.	Area notified in previous years ..	12,395	19	(a) 103	(a) 37	12,461	20	
				Reserved lands not transferred to reserved forests during the year—Nil.				
				Reserved forests.				
South Canara.	Area notified in previous years ..	423,475	662	..	..	423,475	662	
				Reserved lands not transferred to reserved forests during the year.				
	Bantamale	2,975	..	..	..	2,975	..	No. 287, dated 8th July 1903.
	Aranthakallu	797	..	..	..	797	..	No. 300, dated 17th July 1903.
	Yenekal	3,506	..	..	..	3,506	..	No. 312, dated 28th July 1903.
	Irde	1,713	..	..	..	1,713	..	No. 316, dated 5th August 1903.
	Dolpadi	1,022	..	..	..	1,022	..	
	Balpa	2,109	..	..	..	2,109	..	No. 340, dated 22nd August 1903.
	Bakudihola extension	..	..	5	..	5	..	No. 460, dated 19th November 1903.
	Mandekole do. ..	..	..	1	..	1	..	No. 461, dated 19th November 1903.
	Mundajekap	498	..	..	..	498	..	No. 500, dated 17th December 1903.
	Naravi extension No. I ..	..	..	19	..	19	..	No. 79, dated 19th February 1904.
	Do. do. ,, II ..	..	..	21	..	21	..	
	Do. do. ,, III ..	..	..	14	..	14	..	
	Do. do. ,, IV ..	..	..	16	..	16	..	No. 87, dated 26th February 1904.
	Tambattu extension	..	..	246	..	246	..	No. 102, dated 2nd March 1904.
	Ballimane do. No. II ..	..	..	89	..	89	..	No. 99, dated 5th March 1904.
	Enmuru	3,130	..	..	..	3,130	..	No. 186, dated 27th April 1904.
	Area notified in previous years ..	246,017	..	..	(a) 142 (c) 1,000	244,875	..	
	Total ..	261,787	409	411	1,142	261,036	408	

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned.
(f) 48 acres added by rectification of area.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests							
North Malabar.	Area notified in previous years ..	147,578	231	..	..	147,578	231	
	Reserved lands not transferred to reserved forests during the year.							
North Malabar.	Kottiyur block	..	..	13,715	..	13,715	..	No. 476, dated 7th December 1903.
North Malabar.	Area notified in previous years ..	2,492	..	..	..	2,492	..	
	Total ..	2,492	4	13,715	..	16,207	25	
	Reserved forests.							
South Malabar.	Area notified in previous years ..	139,839	218	..	..	139,839	218	
	Reserved lands not transferred to reserved forests during the year.							
South Malabar.	The Silent vally	17,280	..	(a)11,520	..	28,800	..	No. 246, dated 9th June 1904.
South Malabar.	Area notified in previous years ..	13,232	..	..	..	13,232	..	
	Total ..	30,512	48	11,520	..	42,032	66	
	Reserved forests.							
The Nilgiris.	Turachchibettu shola	..	..	57	..	57	..	No. 160, dated 18th April 1903.
The Nilgiris.	Pommanu reserve	..	..	47	..	47	..	
The Nilgiris.	Imbarahatti	..	..	2	..	2	..	No. 196, dated 7th May 1903.
The Nilgiris.	Sullikodu No. I	..	..	1	..	1	..	
The Nilgiris.	Addition to Dodabetta reserve block No. I.	..	..	54	..	54	..	
The Nilgiris.	Attukadu shola reserve	..	..	72	..	72	..	No. 28, dated 29th June 1903.
The Nilgiris.	Warbreccan reserve	..	..	18	..	18	..	
The Nilgiris.	Sinnattu shola reserve addition.	..	..	308	..	308	..	No. 282, dated 29th June 1903.
The Nilgiris.	Longwood réserve addition No. II	..	..	48	..	48	..	No. 290, dated 6th July 1903.
The Nilgiris.	Odasekadu reserve	..	..	47	..	47	..	
The Nilgiris.	Kallur reserve addition ..	..	..	151	..	151	..	
The Nilgiris.	Alageruhanni	..	..	22	..	22	..	
The Nilgiris.	Illithorai	..	..	18	..	18	..	
The Nilgiris.	Curzon valley block No. III ..	..	..	939	..	939	..	No. 311, dated 28th July 1903.
The Nilgiris.	Addition to Hill Grove	..	..	3	..	3	..	No. 342, dated 19th August 1903.
The Nilgiris.	Addition to Hill Clyffe	..	..	59	..	59	..	
The Nilgiris.	Koderu reserve addition No. I ..	..	..	36	..	36	..	No. 355, dated 4th September 1903.
The Nilgiris.	Sullikodu No. II	..	..	307	..	307	..	No. 378, dated 14th September 1903.
The Nilgiris.	Ullavanadmund shola addition No. I.	..	..	46	..	46	..	No. 401, dated 30th September 1903.
The Nilgiris.	Addition to Bettu reserve No. II.	..	..	135	..	135	..	No. 403, dated 30th September 1903.
The Nilgiris.	Addition to Konakarai slopes reserve.	..	..	157	..	157	..	
The Nilgiris.	Masikadavu	..	..	18	..	18	..	No. 412, dated 8th October 1903.
The Nilgiris.	Uppatti Shola reserve addition ..	..	..	15	..	15	..	No. 36, dated 12th January 1904.
The Nilgiris.	Madanad reserve addition ..	..	..	709	..	709	..	No. 58, dated 5th February 1904.
The Nilgiris.	Kodanad valley shola addition No. I.	..	..	75	..	75	..	No. 86, dated 24th February 1904.
The Nilgiris.	Area notified in previous years..	258,258	..	..	..	258,258	..	
	Total ..	258,258	403	3,344	..	261,602	408	
	Reserved lands not transferred to reserved forests during the year.							
The Nilgiris.	Kambatti	..	..	736	..	736	..	No. 400, dated 6th October 1903.
The Nilgiris.	Cherambadi No. IV	..	..	8	..	8	..	No. 409, dated 5th October 1903.
The Nilgiris.	Ammankaval addition III ..	..	..	3	..	3	..	
The Nilgiris.	Area notified in previous years ..	57,318	..	..	(b) 9	57,309	..	
	Total ..	57,318	..	747	9	58,056	91	

(a) Revision of area. (b) Excluded at a settlement.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
North Coimbatore.	Nagalur	..	..	1,040	..	1,040	..	No. 456, dated 19th November 1903.
	Barabetta	..	..	3,040	..	3,040	..	No. 26, dated 8th January 1904.
	Ullepalayam	..	..	3,944	..	3,944	..	
	Hanur	..	..	20,928	..	20,928	..	No. 118, dated 14th March 1904.
	Area notified in previous years..	853,264	..	..	..	853,264	..	
	Total ..	853,264	1,333	28,952	..	882,216	1,378	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	173,928	..	..	(*b*) 1,288	172,640	270	
	Reserved forest.							
South Coimbatore.	Area notified in previous years..	423,657	662	..	..	423,657	662	
	Reserved lands not transferred to reserved forests—Nil.							
	Reserved forests.							
Madura.	Koviladi	..	..	380	..	380	..	No. 317, dated 5th August 1903.
	Area notified in previous years..	390,042	..	..	(*d*) 180	389,862	..	No. 363, dated 9th September 1903.
	Total ..	390,042	609	380	180	390,242	610	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	6,096	10	..	(*b*) 236	5,860	9	
	Reserved forests.							
Tinnevelly.	Nadugani	..	..	4	..	4	..	No. 487, dated 12th December 1903.
	Valliyur reserve	..	..	605	..	605	..	No. 51, dated 28th January 1904.
	Area notified in previous years..	278,896	..	..	..	278,896	..	
	Total ..	278,896	436	609	..	279,505	437	
	Reserved lands not transferred to reserved forests during the year.							
	Vaiyur tank block	..	..	158	..	158	..	No. 225, dated 27th May 1904.
	Ladan tottam	..	..	10	..	10	..	No. 236, dated 31st May 1904.
	Jadikai ,, ...	..	..	3	..	3	..	
	Kulisalkidai	..	..	1	..	1	..	
	Area notified in previous years..	281	..	..	..	281	..	
	Total ..	281	..	172	..	453	..	

(*b*) Excluded at settlement.

(*d*) Portion of Mulayar reserve disafforested.

FORM

Forest Department,

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
Northern							
	SQ. MLS.			SQ. MLS.		RS.	RS.
Ganjám ..	536	No. 649, dated 29th June 1903.	Mohoghora	2	..	..	..
		No. 886, dated 24th August 1903.	Gogodo extension	·16	..		
			Total ..	2·16	..	..	..
Vizagapatam.	298	....	....	..	..	..	..
Gódávari ..	952	....	....	..	..	..	..
Kistna ..	957	No. 937, dated 10th September 1903.	Venkatayapalem extension No. 8.	3·23	..		
		No. 966, dated 23rd September 1903.	Ipurpalem	7·23	..		
		No. 1015, dated 5th October 1903.	Govindapuram	2·84	..		
		No. 1075, dated 19th October 1903.	Pillutla	4·44	..		
		No. 1297, dated 16th December 1903.	Ramannapeta	0·68	..	4,707	107
		No. 32, dated 11th January 1904.	Muppalla	4·67	..		
		No. 78, dated 21st January 1904.	Yelachitladibba extension No. I.	2·23	..		
		No. 436, dated 27th April 1904.	Venkatayapalem extension No. 5.	5·99	..		
		....	Interu	5·58	..		
		....	Sorlagondi extension	7·19	..		
			Total ..	44·08	..	4,707	..
Kurnool ..	2,368 * — 1½ † — 3	No. 676, dated 4th July 1903.	Kottaburuzu	2	..		
		No. 726, dated 17th July 1903.	Eastern Nallamalai block No. 14.	7¼	..		
		No. 822, dated 11th August 1903.	Yadavada	2	..		
		No. 857, dated 18th August 1903.	Eastern Nallamalai block No. 12.	6	..	1,426	16
		No. 921, dated 4th September 1903.	Eastern Nallamalai block No. 11.	7¼	..		
		No. 946, dated 14th September 1903.	Pattikonda	6¼	..		
		No. 1035, dated 8th October 1903.	Southern Veligonda extension.	11	23		

* Due to computation of areas of

† Disafforested during the year.

No. 45.

Madras Presidency.

incurred on, Forest Settlements during 1903–1904.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	
....	..	Pondakkol	60	..	1,734	..
Total ..	..	Total ..	..	..	1,734	..
....	..	....	..	..	..	47
Coringa extension	75	Busipakalu enclosure ..	·46	812	..	..
		Lakkavaram addition	·77	..	..	..
		Total ..	1·23	812	..	..
Jaggayyapeta extension No. 4.	0·14	....	..	..	15	..
Total ..	0·14	Total ..	..	..	15	..
Gani	88	Ramavaram	4	1,161		
Owk	49¼	Yerragudi	6	230		
Chinaganipalle	2	Yemboyi	5	527		
Waddamanu	2	Owk extension	1	..	} 2,706	..
Lanjabanda extension ..	6	Rangapuram	11	..		
Baddivid extension	¾	....	..	72		
Madhavaram	10	....	..	..		

Nallamalai hills by India Survey Party.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. — In forest accounts.	Expenditure incurred during the year on areas finally settled. — In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Kurnool—*cont.*	2,368 — $1\frac{1}{2}$ — 3	No. 1154, dated 17th November 1903.	Panem	37	..	..	16
		No. 1179, dated 21st November 1903.	Eastern Nallamalai block No. 9.	4	..		
		No. 1263, dated 9th December 1903.	Eastern Nallamalai block Nos. VI (*a*), (*b*) and (*c*).	$10\frac{3}{4}$	..		
		No. 38, dated 12th January 1904.	Tuggali No. II	3	..		
		No. 530, dated 25th May 1904.	Tokapalle extension	1	35		
			Total ..	$97\frac{1}{2}$	58 + *565 = 623	1,426	..
Bellary ..	573	....	....	..	..	..	..
			Total ..	..	..	..	..
Anantapur ..	510	....	....	..	..	..	..
							Central
Cuddapah ..	2,216 † —3	....	....	..	..	..	..
			Total ..	..	..	..	..
Nellore ..	739	No. 764, dated 24th July 1903.	Varini block C, extension A and B.	·61	..	..	..
		No. 823, dated 11th August 1903.	Nandanavanam block A extension.	·01	..	..	..
		No. 1153, dated 17th November 1903.	Lebur blocks I and II ..	·41	..	..	..
		No. 1178, dated 21st November 1903.	Kavali tope	·35	..	..	..
		No. 1178, dated 21st November 1903.	Musunur tope	.21	..	..	..
		No. 603, dated 9th June 1904.	Mungamur tope	·14	..	..	..
			Total ..	1·73	5	..	..
Chingleput.	214	....	....	..	..	..	..
North Arcot.	1,290	....	....	..	..	..	..
South Arcot.	663	....	....	..	..	..	..
North Salem.	813	No. 769, dated 28th July 1903.	Ubrani	$18\frac{3}{4}$	..	..	..
		No. 1111, dated 9th November 1903.	Vellakuttai extension A ..	$\frac{3}{4}$	..	..	..

* Amount spent for reserves notified in previous years.
† Disafforested during the year.

incurred on, Forest Settlements during 1903–1904—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	
....	..	....	..	..	..	....
Total ..	158	Total ..	27	1,990	2,706	
Haladahalli, A and B	·40	1. Halasagaram	8·81	..	1,365	
		2. Tonashigiri	1·99	..		
		3. Sheliyappanahalli	6·62	..		
		4. Gudekota extension ..	2·58	..		
		5. Hosahalli	5·70	..		
		6. Jarimali	5·42	..		
		7. Choranur	8·37	..		
		8. Jammanaobanahalli ..	12·87	..		
Total ..	·40	Total ..	52·36	..	1,365	
....	..	....	..	..	..	200
Circle						
Idupalapaya extension ..	16	....	..	..	74	
Ganganapalli extension ..	52	....	..	..		
Sangasamudram	6	....	..	..		
Seshachellam extension A ..	60	....	..	..		
Papepalle, East	7	....	..	..		
Do. West	6	....	..	..		
Total ..	147	Total ..	..	..	74	
Anamadugu Chinnayapalem tope.	4·38	....	..	..	664	
Lingamgunta tope	1·35	....	..	..		
Kadanutala tope	·46	....	..	..		
Kolladinne tope	·42	....	..	..		
....	..	....	..	..		
....	..	....	..	..		
Total ..	6·61	Total ..	..	..	664	
	..					
Walajabad tope	·04	....	..	..	..	
....		....				
Whiteside garden	·01	....	..	..	..	
Mangalam extension	$4\frac{1}{2}$	....	..	..	887	
Hudaidurgam	$45\frac{3}{4}$	....	..	..		
Urigam	15	....	..	..		
Kempakarai	11	....	..	..		
Hulibanda	$14\frac{3}{4}$	....	..	..		
Total ..	91	Total ..	..	..	887	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	Expenditure incurred during the year on areas finally settled. In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.			
South Salem.	702	No. 766, dated 27th July 1903.	Sholappadi	5·46	..	..	..
		No. 1298, dated 16th December 1903.	Kottapatti extension	20·92	..	..	..
			Total ..	26·38	..	..	..
Trichinopoly.	296	No. 988, dated 28th August 1903.	Manmalai reserved forest extension.	1·04	..	..	..
		No. 1334, dated 23rd December 1903.	Tachankurichi	3·77	..	..	..
		No. 488, dated 13th May 1904.	Nakkasalem	4·29	..	..	..
			Total ..	9·10	..	..	..
Tanjore ..	20	....	....	..	..	..	..
							Southern
South Canara.	662	....	....	..	..	..	..
North Malabar	231	....	....	..	..	..	..
South Malabar.	218	....	....	..	..	..	..
				acres.			
The Nilgiris.	403	No. 648, Rev., dated 29th June 1903.	Attukadu shola reserve ..	72	..	..	..
		Do.	Warbreecan	18	..	..	..
		No. 647, Rev., dated 29th June 1903.	Sinnattu shola reserve addition	308	..	..	..
		No. 683, Rev., dated 6th July 1903.	Longwood reserve addition No. II.	48	..	..	..
		Do.	Odasekadu	47	..	..	..
		Do.	Kallar reserve addition ..	151	..	..	..
		Do.	Alageruhanni	22	..	..	..
		Do.	Illithorai	18	..	..	..
		No. 768, Rev., dated 28th July 1903.	Curzon valley block No. III ..	939	..	..	..
		No. 865, Rev., dated 19th August 1903.	Addition to Hill Grove ..	3	..	..	..
		Do.	Do. to Clyffe	59	..	..	..
		No. 920, Rev., dated 4th September 1903.	Koderu reserve addition No. I.	36	..	..	..

incurred on, Forest Settlements during 1903-1904—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	
Nagur extension	4·31	....	..	..	887 2 9	
....	..	....	..	..		
Total ..	4·31	Total ..	..	..	887 2 9	
Mogavanur	1·78	....	..	..		
Velur	5·06	....	..	..	1,774 5 6	
Sengattupatti extension ..	2·53	....	..	..		
Total ..	9·37	Total ..	..	..	1,774 5 6	
....	..	....	..	..	..	
Circle.						
Hale Someshwar	3	Bakudihola extension		..		293
New Someshwar	4	Tombattu extension		..		
Kalanjimali	5	Ballimane extension No. II ..		..		
Karadka	5	Naravi extension No. I ..	(a)	..		
Kunthur	6	,, ,, ,, II ..		..		
Virakhamba	3	,, ,, ,, III ..		..		
Kilarmale	15	,, ,, ,, IV ..		..		
Narimogar	2	Mundajikap	1	..		
Vorwadi	1	Bantamale	5	..		
Dondalarabi	2	Yenekal	5	..		
Kunthur extension	..	Irde	3	..	1,774 5 6	
Mandekole	12	Dolpadi	2	..		
Aivarnad	3	Enmuru	5	..		
Adur	8	Balpa	3	..		
Kaniyarmale	5	Aranthakallu	1	..		
Kallapattamale	2	Mandekole extension	..	..		
Ballimane extension	..	....	..	..		
Kodialmale	1	....	..	..		
Kilarmale extension	..	....	..	..		
Subramania	11	....	..	..		
Paikadamale	2	....	..	..		
Total ..	90	Total ..	25	..	1,774 5 6	
Ladysmith	3·86	Kottiyur	21·43	..	1,774 5 6	
....	..	The Silent valley	45	..	..	2
Denad reserve addition No. I.	acres. 125	Kambatti block	736 acres or 1 sq. mile.	..		
Kodanad valley shola addition No. II.	170	....	..	..		
Paravakadavu	679	....	..	..		
Mavada reserve addition No. II.	90	....	..	..	1,774 5 6	
Santhi reserve	16	....	..	..		
Aduthorai reserve addition No. I.	35	....	..	..		

(a) Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Southern
	SQ. MLS.			ACS.			
The Nilgiris —*cont.*	403	No. 945, Rev., dated 14th September 1903.	Sullikodu No. II	307	..	..	..
		No. 996, Rev., dated 30th September 1903.	Ullavanadmund shola addition No. I.	46	..	..	..
		No. 997, Rev., dated 30th September 1903.	Addition to Konakarai slopes reserve.	157	..	..	..
		Do.	Addition to Bettu reserve No. II.	135	..	..	..
		No. 1034, Rev., dated 8th October 1903.	Masikadavu	18	..	..	..
		No. 40, Rev., dated 12th January 1904.	Uppatti shola reserve addition.	15	..	..	..
		No. 149, Rev., dated 5th February 1904.	Madanad reserve addition ..	709	..	..	..
		No. 222, Rev., dated 24th February 1904.	Kodanad valley shola addition No. I.	75	..	..	..
		No. 470, Rev., dated 6th May 1904.	Cherambadi reserve addition No. II.	10	..	..	..
		Do.	Cherambadi reserve addition No. III.	10	..	..	..
		Do.	Cherambadi reserve addition No. IV.	8	..	..	..
		Do.	Ammankaval reserve addition No. III.	3	..	..	..
		No. 68, Rev., dated 29th June 1904.	Neyyatti addition No. I ..	43	..	..	..
			Kodamalai reserve No. II ..	18	..	..	..
			Beragani	1,053	..	..	..
			Lady Canning's seat reserve ..	133	..	..	..
			Aduthorai reserve addition No. II.	58	..	..	..
			Total ..	4,519 acres or 7·06 sq. miles.	..	..	..
				SQ. MLS.			
North Coimbatore.	1,333	No. 1167, dated 19th November 1903.	Nagalur	1·63	..	..	..
		No. 28, dated 8th January 1904.	Barebetta	4·75	..	..	..
		Do.	Ullepalaiyam	6·16	..	..	..
		No. 302, dated 14th March 1904.	Hanur	32·70	..	..	..
			Total ..	45·24	..	..	..
South Coimbatore.	* 662	....	....	..	..	..	..
Madura ..	609	No. 798, dated 5th August 1903.	Koviladi block	·59	..	..	..
			Total ..	·59	..	..	..
Tinnevelly ..	436	G.O., No. 1280, Rev., dated 12th December 1903.	Nadugani block	0·006	..	..	..
		G.O., No. 121, Rev., dated 28th January 1904.	Valliyur block	0·945			
			Total ..	0·951	..	..	..

* Includes Walayar reserved forests (4·71 square miles) transferred from South Malabar district in 1901–1902.

incurred on, Forest Settlements during 1903–1904—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Total ..	2	Total ..	1	..	..	
Madesishwara Malai	246	....	..	..	1,774 5 6	20
Ennamangalam	16	....	..	..		
....	..	....	..	..		
....	..	....	..	..		
Total ..	262	Total ..	..	..	1,774 5 6	
....	..	....	..	..	1,774 5 6	52·16
Gundar valley extension block.	9·16	....	..	..		
Total ..	9·16	....	..	..	1,774 5 6	
Naranapuram block	0·439	Vaiyur tank block	0·247	..	1,774 5 6	*
		Ladantottam	0·021			
		Jadikaitottam				
		Kulisalkodai				
Total ..	0·439	Total ..	0·268	..	1,774 5 6	

* No expenditure was incurred on the settlement of the Nadugani, Vaiyur, Valliyur or Ladantottam, Jadikaitottam Kulisalkodai blocks, all these small blocks being settled by local Divisional officers. The whole amount shown as expenditure is therefore to be debited to the settlement of the Naranapuram block by the Forest Settlement-officer. The block is not yet finally notified.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at close of year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new work.	Expenditure on demarcation during the year. On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám (a)	35	68	1,050	1,153	4	80	1,237	329	273
Vizagapatam	..	255	138	393	107	..	500	..	4
Gódávari	{ 67 (b) 21 }	1,061	82	1,231	44	273	1,548	{ 438 (c)123 (d)638 }	..
Kistna (e)	55	18	1,519	1,592	..	..	1,592	673	115
Kurnool	164	(f) 355	1,160	1,679	343	165	2,187	{ (d)863 (g)1,440 }	(g) 28
Bellary	33	62	1,599	1,694	53	..	1,747	(g) 379	125
Anantapur	..	20	1,202	1,222	..	..	1,222	121	280
Total, Northern Circle ..	375	1,839	6,750	8,964	551	518	10,033	5,004	825
Central Circle.									
Cuddapah	16	..	3,476	3,492	18	..	3,510	(g) 107	..
Nellore	87	{ 10 (f)1,900 }	..	1,997	46	86	2,129	831	45
Chingleput	..	660	264	924	..	..	924	..	{ 100 (d) 489 }
North Arcot	66	2,227	134	2,427	..	44	2,471	278	75
South Arcot	18	344	1,863	2,225	137	..	2,362	{ (g) 540 (h) 337 (i) 18 }	179
North Salem (a)	71	1,068	160	1,299	72	39	1,410	355	120
South Salem	..	{ 105 (f)894 }	214	(j)1,213	20	5	1,238	..	143
Trichinopoly	102	292	659	1,053	197	26	1,276	1,837	159
Tanjore	..	9	70	79	..	..	79	..	25
Total, Central Circle ..	360	7,509	6,840	14,709	490	200	15,399	4,303	1,335
Southern Circle.									
South Canara	26	3	2,748	2,777	26	110	2,913	(g) 1,942	24
North Malabar	58	39	542	639	472	26	1,137	1,024	549
South do.	..	..	168	168	27	112	307	..	2
The Nilgiris	90	75	1,315	1,480	93	253	1,826	774	1,193
North Coimbatore (a)	16	54	934	1,004	..	222	1,226	422	246
South do.	..	..	515	515	2	77	594	..	..
Madura (a)	79	{ 5 (f)373 }	1,082	1,539	34	140	1,713	{ 838 (g)1,238 }	57
Tinnevelly	1	..	556	557	27	17	601	417	37
Total, Southern Circle ..	270	549	7,860	8,679	681	957	10,317	6,655	2,108
Grand Total ..	1,005	9,897	21,450	32,352	1,722	1,675	35,749	15,962	4,268

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

(a) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the adoption of revised figures.

(b) Rectification of existing boundaries and explains the variation between the total of the figures in columns 3 and 4, and the figure in column 5 of the previous year's return.

(c) Cost of rectification.

(d) Establishment charges.

(e) The length of compartment and coupe lines wrongly included in last year's return has been excluded.

(f) Cleared by the subordinate Forest establishment free of cost.

(g) Includes cost of cairns.

(h) Cost of cairns to eleven enclosures in Tenmalais.

(i) Cost of demarcation of topes.

(j) The discrepancy between this figure and that in column 5 of the previous year's return is due to the addition of 45 miles of boundaries of forests finally notified during the year.

Form No. 47.

Forest Department, Madras Presidency.

Statement of Forest Areas surveyed and under survey during the year 1903–1904.

Districts.	Areas surveyed and under survey during the year 1903–1904.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.						With details of growing stock.		Without details of growing stock.					
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	S. MLS.		S. MLS.	S. MLS.	RS.	L. MLS.	L. MLS.	RS.			S. MLS.			L. MLS.		
Northern Circle.																
Ganjám	..	..	..	..	..	284	106	1,334	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	192	19,677	152	100	795	..	..	..	..	..	..	..	..
Kistna	..	..	..	77	3,540	..	27	341	..	..	52	..	..	118	..	..
Kurnool	..	..	* 2,362	255	11,717	1,015	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	573	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle ..	..	..	2,530	524	† 34,934	1,451	233	2,470	..	..	813	..	..	118	..	..
Central Circle.																
Cuddapah	..	..	‡ 2,213	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,193	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	..	..	217	..	..	82	..	..	..	..	440	..	..	..	..	..
North Salem	..	..	808	..	..	..	..	..	..	..	21	..	..	..	..	..
South ,, ...	..	..	702	..	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	66	..	..	9	..	..	..	..	..	..	..	26 301 S.M.	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	..	..	5,199	..	..	91	..	..	..	..	461	..	..	26 301 S.M.	..	..
Southern Circle.																
South Canara	..	..	* 749	177	14,750	554	11	470	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	1	..	33	..	..	..	..	..	..	..	1	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	..	..	§ 1,276	‖ 102	4,839	299	12	96	..	..	..	..	..	..	..	..
South ,, ...	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	610	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle ..	1	..	3,325	279	† 19,589	853	23	566	..	..	6	..	..	..	..	..
Grand Total, Presidency.	1	..	11,054	803	44,523	2,395	256	3,036	..	..	1,280	..	..	144 301 S.M.	..	..

Note.—The Collectors of Nellore, Chingleput, The Nilgiris and Tinnevelly have submitted *nil* returns.
* Presumably includes reserved lands.
‡ The Collector's figure is 2,325 which is evidently wrong.
‖ Maps for only 6 square miles were published during the year.
† Excludes cost of triangulation.
§ The Collector's figure is 1,887 which is evidently incorrect.

Statement of Forest Areas surveyed and under survey during the year 1903–1904—*cont.*

District.	Areas surveyed and under survey during the year 1903–1904—*cont.* Chain and compass or other surveys by local officers. With interior details. 4-inch or over. Previous.	With interior details. 4-inch or over. Of year.	With interior details. Under 4-inch. Previous.	With interior details. Under 4-inch. Of year.	With interior details. Total cost.	Boundary surveys. Previous.	Boundary surveys. Of year.	Boundary surveys. Total cost.	Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost. Previous.	Cost. Of year.	Cost. Entire cost of all surveys to end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	S. MLS.	S. MLS.	S. MLS	S. MLS.	RS.	L. MLS.	L. MLS.	RS.	S. MLS.	S. MLS.	RS.	RS.	RS.
Ganjám	53	..	..	..	..	1,018	203	625	..	538	14,487	1,959	16,446
Vizagapatam	29	..	..	..	..	..	..	..	..	298	1,700	450	2,150
Gódávari	1	..	18	8	6	423	117	{ 796 + 753 }	455	952	5,743	22,027	27,770
Kistna	..	85	..	..	{ 89 656 }	..	..	..	..	982	15,723	4,626	20,349
Kurnool	5	..	..	..	..	126	..	..	54	2,463	1,31,982	{ 11,717 + 1,265 }	1,44,964
Bellary	..	..	..	..	..	..	..	..	..	573	961	370	1,331
Anantapur	154	..	..	..	..	..	..	..	..	510	369	..	369
Total, Northern Circle ..	242	85	18	8	751	1,567	320	1,421	509	6,316	1,70,965	42,414	2,13,379
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,213	1,08,212	360	1,08,572
Nellore	..	..	..	..	..	..	..	..	..	740	1,248	292	1,540
Chingleput	..	..	..	..	..	..	..	..	..	214	476	325	801
North Arcot	97	..	..	..	..	..	..	..	..	1,290	17,343	249	17,592
South ,, ...	6	..	..	..	..	..	..	..	..	663	9,121	260	9,141
North Salem	..	..	..	..	..	3	..	..	3	832	17,682	1,070	18,752
South ,, ...	..	..	..	..	..	5	..	..	26	728	17,060	939	17,999
Trichinopoly	1	..	..	..	..	100	8	360	193	301	25,360	360	25,720
Tanjore	20	..	..	..	..	..	..	..	..	20	..	..	..
Total, Central Circle ..	124	..	..	..	..	108	8	360	222	7,001	1,96,502	3,855	2,00,357
Southern Circle.													
South Canara	..	..	..	..	..	778	101	824	144	662	28,000	16,044	44,044
North Malabar	..	..	..	..	..	37	..	..	231	231	1,123	428	1,551
South ,, ...	..	..	..	..	..	183	..	..	183	218	1,647	118	1,103
The Nilgiris	..	..	..	..	..	..	..	..	..	408	386	373	759
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,378	77,300	{ 4,935 + 296 }	82,531
South ,, ..	..	..	..	..	..	..	..	..	..	662	2,078	2,181	4,259
Madura	..	..	..	..	..	..	..	..	..	610	79	326	405
Tinnevelly	..	..	..	..	..	..	..	..	..	437	483	360	843
Total, Southern Circle ..	..	..	..	..	..	998	101	824	558	4,606	1,11,096	25,061	1,36,157
Grand Total, Presidency.	366	85	18	8	751	2,673	429	2,605	1,289	17,923	4,78,563	71,330	5,49,893

Annual Form No. 48.

Forest Department, Madras Presidency.

Progress made in working-plans during 1903-1904.

District.	Areas for which working-plans have been completed and approved by the Board. At commencement of year.	Areas for which working-plans have been completed and approved by the Board. During year.	Areas for which working-plans are being compiled or have been compiled but not sanctioned. At commencement of year.	Areas for which working-plans are being compiled or have been compiled but not sanctioned. Taken in hand during year.	Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed. §	Remarks.
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	
Ganjám	17	281	..	59	241	598	223	
Vizagapatam	* 22	122	..	119	82	345	..	
Gódávari	400	..	* 59	† 235	334	1,028	294	
Kistna	8	..	32	..	961	1,001	..	
Kurnool	158	75	67	212	2,137	2,649	10	
Bellary	12	..	204	36	436	688	..	
Anantapur	..	230	..	203	77	510	484	
Total ..	617	708	362	864	4,268	6,819	1,011	
Central Circle.								
Cuddapah	..	..	‖ 3	..	2,357	2,360	78	
Nellore	* 212	..	* 97	349	89	747	67	
Chingleput	..	..	110	104	..	214	..	
North Arcot	* 406	112	705	67	..	1,290	548	
South Arcot	321	..	194	..	148	663	..	
(North) Salem	93	159	293	378	..	923	..	
(South) Salem	291	36	213	8	185	733	98 ‡ 890	
Trichinopoly	1	..	37	..	277	315	37	
Tanjore	4	..	5	..	11	20	..	
Total ..	1,328	307	1,657	906	3,067	7,265	828 890	
Southern Circle.								
South Canara	662	..	..	..	408	1,070	..	
North Malabar	* 178	..	..	..	78	256	35	
South Malabar	34	..	..	..	250	284	1	
The Nilgiris	16	..	..	..	483	499	..	
North Coimbatore ..	375	48	..	..	1,225	1,648	..	
South Coimbatore ..	234	..	..	..	428	662	..	
Madura	356	..	..	..	263	619	..	
Tinnevelly	* 231	9	..	..	197	437	..	
Total ..	2,086	57	..	..	3,332	5,475	36	
Grand Total	4,031	1,072	2,019	1,770	10,667	19,559	2,765	

* Revised figure reported by the Collector.
† Reconnaissance approved by the Conservator for 183 square miles.
‡ Pay of the officer and his peon for the period during which the officer was engaged in framing the plan.
§ The figures in this column represent the total expenditure incurred during the year under A-VIII (*d*).
‖ This figure was shown in column 2 of last year's return by mistake.

ANNUAL

Forest Department,

COMMUNICATIONS

District.	New works undertaken during the year 1903–1904.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
		Northern				
		RS.		MLS.	RS.	RS.
Direction ..	....	..	....	..	..	..
Ganjám ..	(a) Head-quarter houses ..	1,827	(b) Bridle-paths	36	174	..
	(b) Rest-houses	333				
	(c) Houses for subordinate establishments	68				
	Total, Ganjám ..	2,228	Total ..	36	174	2,402
Vizagapatam.	(c) Houses for subordinate establishments	1,341	....	..	..	..
	Total, Vizagapatam ..	1,341	Total ..	..	..	1,341
Gódávari ..	(b) Rest-houses	455	(a) Cart-roads	6	1,566	
	(c) Houses for subordinate establishments	555	(e) Others	2	658	
	Total, Gódávari ..	1,010	Total ..	8	2,224	3,234
Kistna ..	(a) Head-quarter houses ..	42	(a) Cart-roads	9	133	
	(b) Rest-houses	119				
	(c) Houses for subordinate establishments	195				
	Total, Kistna ..	356	Total ..	9	133	489
Kurnool ..	(b) Rest-houses	1,446	(a) Cart-roads	..	1,849	
	(c) Houses for subordinate establishments	261				
	Total, Kurnool ..	1,707	Total ..	..	1,849	3,556
Bellary ..	(a) Head-quarter houses ..	23	(a) Cart-roads	10	289	
	(c) Houses for subordinate establishments	858				
	Total, Bellary ..	881	Total ..	10	289	1,170

Form No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year 1903–1904.

Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	63	....	..	..	63
(*a*) Head-quarter houses	60	(*a*) Cart-roads	..	130	1,583
(*b*) Rest-houses	1,217	Add A-VII (*c*) ..	..	..	25
(*c*) Houses for subordinate establishments	176				
Total ..	1,453	Total ..	..	130	1,608
(*b*) Rest-houses	252	(*a*) Cart-roads	..	57	..
		(*e*) Others	..	35	..
			..	92	419
(*c*) Houses for subordinate establishments	75	Add A-VII (*c*) ..	..	..	6
Total ..	327	Total ..	..	92	425
(*b*) Rest-houses	229	(*a*) Cart-roads	9	345	..
(*c*) Houses for subordinate establishments	73	(*b*) Bridle-paths	1	40	..
Pay of watchers	1,519		10	385	2,206
		Add A-VII (*c*) ..	..	..	5,219
Total ..	1,821	Total ..	10	385	7,425
(*b*) Rest-houses	643	(*a*) Cart-roads	9	138	1,488
(*c*) Houses for subordinate establishments	373	Add A-VII (*c*) ..	..	..	516
	1,016				
Pay of watchers	334				
Total ..	1,350	Total ..	9	138	2,004
(*a*) Head-quarter houses	152	(*a*) Cart-roads	..	1,915	..
(*b*) Rest-houses	817				
(*c*) Houses for subordinate establishments	20				
	989				
Pay of watchers	649				
Total ..	1,638	Total ..	..	1,915	3,558
(*a*) Head-quarter houses..	26	(*a*) Cart-roads	..	4	53
(*c*) Houses for subordinate establishments	3				
	29	Add A-VII (*c*) ..	..	..	30
Pay of watchers	20				
Total ..	49	Total ..	..	4	83

Communications

District.	New works undertaken during the year 1903–1904.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		RS.		MLS.	RS.	RS.
Anantapur ..	(d) Others	5	(b) Bridle-paths	2	156 + 352	..
	Total ..	5	Total ..	2	508	513
Total, Northern Circle.	(a) Head-quarter houses .. (b) Rest-houses .. .. .. (c) Houses for subordinate establishments .. .. (d) Others	1,892 2,353 3,278 5	(a) Cart-roads .. .. .. (b) Bridle-paths .. . .. (c) Others	25 38 2 ..	3,837 682 658 ..	.. ..
	Grand Total, Northern Circle ..	7,528	Grand Total ..	65	5,177	12,705
						Central
Direction ..	....	..	....	..	..	..
Cuddapah ..	(c) Houses for subordinate establishments	38	(b) Bridle-paths	1	150	..
	Total, Cuddapah ..	38	Total ..	1	150	188
Nellore ..	(b) Rest-houses .. .. .. (c) Houses for subordinate establishments	733 82				
	Total, Nellore ..	815	Total ..	..	..	815
Chingleput ..	(c) Houses for subordinate establishments	92				
	Total, Chingleput ..	92	Total ..	..	..	92
North Arcot ..	(a) Head-quarter houses .. (b) Rest-houses .. .. .. (c) Houses for subordinate establishments	205 558 107	(b) Bridle-paths	3	10	..
	Total, North Arcot ..	870	Total ..	3	10	880
South Arcot ..	....	..	....	..	..	..
	Total, South Arcot ..	..	Total ..	..	..	..
North Salem ..	(a) Head-quarter houses .. (b) Rest-houses	40 262	(a) Cart-roads	..	1,100	..
	Total, North Salem ..	302	Total ..	..	1,100	1,402

and Buildings—*cont.*

Repairs executed during the year 1903-1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	50				
(b) Rest-houses	757 +1,184*		..	..	1,493
(c) Houses for subordinate establishments	44	Add A-VII (c) ..	..	..	107
	1,035				
Pay of watchers, etc.	458				
Total ..	1,493	Total ..	..	..	1,600
(a) Head-quarter houses	351	(a) Cart-roads	18	2,589	..
(b) Rest-houses	4,099	(b) Bridle-paths	1	40	..
(c) Houses for subordinate establishments	764	(c) Others	..	35	..
			19	2,664	10,858
Pay of watchers	2,980	Add A-VII (c) ..	..	..	5,903
Grand Total ..	8,194	Grand Total ..	19	2,664	16,761
Circle.					
(a) Head-quarter houses	12	....	..	..	12
(a) Head-quarter houses	65	(a) Cart-roads	..	18	1,162
(b) Rest-houses	353	Add A-VII (c) ..	..	..	10
(c) Houses for subordinate establishments	467				
Pay of watchers	259				
Total ..	1,144	Total ..	..	18	1,172
(a) Head-quarter houses	211	....	..	..	..
(b) Rest-houses	124				
Pay of watchers	200				
Total ..	535	Total ..	..	..	535
(a) Head-quarter houses	15	(a) Cart-roads	..	618	1,361
(b) Rest-houses	654	Add A-VII (c) ..	..	..	59
(c) Houses for subordinate establishments	29				
Pay of watchers	45				
Total ..	743	Total ..	..	618	1,420
(a) Head-quarter houses	215	(a) Cart-roads	146	1,022	..
(b) Rest-houses	952	(b) Bridle-paths	35	187	..
(c) Houses for subordinate establishments	162		181	1,209	3,529
Pay of watchers	991	Add A-VII (c) ..	..	..	159
Total ..	2,320	Total ..	181	1,209	3,688
(b) Rest-houses	34	(b) Bridle-paths	7	270	669
(c) Houses for subordinate establishments	46	Add A-VII (c) ..	..	..	65
Pay of watchers	319				
Total ..	399	Total ..	7	270	734
(a) Head-quarter houses	139	(a) Cart-roads	..	62	280
(b) Rest-houses	79	Add A-VII (c) ..	..	..	53
Total ..	218	Total ..	..	62	233

* Added or deducted as per audited figures of the Accountant-General in Form No. 59.

Communications.

District.	New works undertaken during the year 1903-1904.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Salem ..	(*a*) Head-quarter houses ..	260	(*a*) Cart-roads	1	1,490	..
	(*b*) Rest-houses	1,384				
	(*c*) Houses for subordinate establishments	634				
	Total, South Salem ..	2,278	Total ..	1	1,490	3,768
Trichinopoly ..	(*c*) Houses for subordinate establishments	25	....	..	..	..
	(*d*) Others	53				
	Total, Trichinopoly ..	78	Total ..	..	..	78
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	505	(*a*) Cart-roads	1	2,590	..
	(*b*) Rest-houses	2,937	(*b*) Bridle-paths	4	160	..
	(*c*) Houses for subordinate establishments	978				
	(*d*) Others	53				
	Grand Total, Central Circle ..	4,473	Grand Total ..	5	2,750	..
						Southern
South Canara.	(*b*) Rest-houses	827	(*a*) Cart-roads	2	37	..
	(*c*) Houses for subordinate establishments	15				
	Total, South Canara ..	842	Total ..	2	37	879
North Malabar.	....	..	(*c*) Others	..	191	..
	Total, North Malabar ..	..	Total ..	..	191	191
South Malabar.	(*a*) Head-quarter houses ..	75	(*b*) Bridle-paths	10	232	..
	(*b*) Rest-houses	357	(*c*) Others	..	732	..
	Total, South Malabar ..	432	Total ..	10	964	1,396
The Nilgiris ..	(*c*) Houses for subordinate establishments	956	(*b*) Bridle paths	3	302	..
	(*d*) Others	130				
	Total, The Nilgiris ..	1,086	Total ..	3	302	1,388
North Coimbatore.	(*b*) Rest-houses	735	(*a*) Cart-roads	3	1,723	...
	(*d*) Others	149				
	Total, North Coimbatore ..	884	Total ..	3	1,723	2,607

and Buildings—*cont.*

Repairs executed during the year 1903-1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	408	(a) Cart-roads	..	240	..
(b) Rest-houses	197	(c) Others	..	5	..
(c) Houses for subordinate establishments	60		..	245	910
		Add A-VII (c) ..	..	..	132
Total ..	665	Total ..	..	245	1,042
(a) Head-quarter houses	6	....	..	..	113
(b) Rest-houses	107	Add A-VII (c) ..	..	..	7
Total ..	113	Total ..	..	..	120
(b) Rest-houses	77	....	..	..	77
Total ..	77	Total ..	..	..	77
(a) Head-quarter houses	1,071	(a) Cart-roads	146	1,960	..
(b) Rest-houses	2,577	(b) Bridle-paths	42	457	..
(c) Houses for subordinate establishments.	764	(c) Others	..	5	..
			188	2,422	8,648
Pay of watchers	1,814	Add A-VII (c) ..	..	..	485
Grand Total ..	6,226	Grand Total ..	188	2,422	9,133
Circle.					
(a) Head-quarter houses	433	(a) Cart-roads	10	25	619
(b) Rest-houses	45				
(c) Houses for subordinate establishments	35				
(d) Others	81	Add A-VII (c) ..	..	..	36
Total ..	594	Total ..	10	25	655
(a) Head-quarter houses	109	(a) Cart-roads	58	1,803	2,598
(c) Houses for subordinate establishments	686	Add A-VII (c) ..	..	..	387
Total ..	795	Total ..	58	1,803	2,985
(a) Head-quarter houses	111	(a) Cart-roads	20	848	..
(b) Rest-houses	29	(b) Bridle-paths	53	99	..
(c) Houses for subordinate establishments	230		73	947	1,317
		Add A-VII (c) ..	..	..	739
Total ..	370	Total ..	73	947	2,056
(c) Houses for subordinate establishments	718	(b) Bridle-paths	84	2,284	3,002
		Add A-VII (c) ..	..	..	90
Total ..	718	Total ..	84	2,284	3,092
(a) Head-quarter houses	468	(a) Cart-roads	..	315	..
(b) Rest-houses	872	(c) Others	..	55	..
(c) Houses for subordinate establishments	380	Pay of watchers	..	6,376	..
(d) Others	10		..	6,746	8,892
Pay of watchers	416	Add A-VII (c) ..	..	..	542
Total ..	2,146	Total ..	..	6,746	9,434

Communications

District.	New works undertaken during the year 1903–1904. — Buildings. — Description of building.	Expenditure incurred.	Roads and paths. — Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
						Southern
		RS.		MLS.	RS.	RS.
South Coimbatore.	(c) Houses for subordinate establishments	1,667	(a) Cart-road	1	146	..
	(d) Others	1,173				
	Total, South Coimbatore ..	2,840	Total ..	1	146	2,986
Madura ..	(a) Head-quarter houses ..	1,209	(a) Cart-roads	7	1,680	..
	(c) Houses for subordinate establishments	370	(b) Bridle-paths	19	2,831	..
			(c) Others	68	178	..
			Pay of watchers	..	100	..
	Total, Madura ..	1,579	Total ..	94	4,789	..
Tinnevelly ..	(b) Rest-houses	1,820	(b) Bridle-paths	5	1,340	..
	(c) Houses for subordinate establishments	683	(c) Others	15	374	..
	Total, Tinnevelly ..	2,503	Total ..	20	1,714	4,217
Total, Southern Circle.	(a) Head-quarter houses ..	1,284	(a) Cart-roads	13	3,586	..
	(b) Rest-houses	3,739	(b) Bridle-paths	37	4,705	..
	(c) Houses for subordinate establishments	3,691	(c) Others..	83	1,475	..
	(d) Others	1,452	Pay of watchers	..	100	..
	Grand Total, Southern Circle ..	10,166	Grand Total ..	133	9,866	20,032
Total, Presidency.	(a) Head-quarter houses ..	3,681	(a) Cart-roads	39	10,013	..
	(b) Rest-houses	9,029	(b) Bridle-paths	79	5,547	..
	(c) Houses for subordinate establishments	7,947	(c) Others..	85	2,133	..
	(d) Others	1,510	Pay of watchers	..	100	..
	Grand Total, Presidency ..	22,167	Total ..	203	17,793	39,960

and Buildings—*cont.*

Repairs executed during the year 1903–1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	159	(a) Cart-roads	17	2,178	..
(b) Rest-houses	1,073	(b) Bridle-paths	4	159	..
(c) House for subordinate establishments	274	(c) Others	8	488	..
(d) Others	118				
			29	2,825	4,449
		Add A-VII (c) ..	..	..	2,294
Total ..	1,624	Total ..	29	2,825	6,743
(b) Rest-houses	1,136	(a) Cart-roads	4	249	..
(c) Houses for subordinate establishments	88	(b) Bridle-paths	15	898	..
Pay of watchers	326		19	1,147	2,697
		Add A-VII (c) ..	..	..	531
Total ..	1,550	Total ..	19	1,147	3,228
(a) Head-quarter houses ..	18	(a) Cart-roads	81	3,141	..
(b) Rest-houses	858	(b) Bridle-paths	32	468	..
(c) Houses for subordinate establishments	412		113	3,609	4,995
(d) Others	98				
		Add A-VII (c) ..	..	..	25
Total ..	1,386	Total ..	113	3,609	5,020
(a) Head-quarter houses	1,298	(a) Cart roads	190	8,559	..
(b) Rest-houses	4,013	(b) Bridle-paths	188	3,908	..
(c) Houses for subordinate establishments	2,823	(c) Others	8	543	..
(d) Others	307	Pay of watchers	..	6,376	..
Pay of watchers	742		386	19,386	28,569
		Add A-VII (c) ..	..	..	4,644
Total ..	9,183	Total ..	386	19,386	33,215
(a) Head-quarter houses	2,720	(a) Cart-roads	354	13,108	..
(b) Rest-houses	10,684	(b) Bridle-paths	231	4,405	..
(c) Houses for subordinate establishments	4,351	(c) Others	8	583	..
(d) Others	307	Pay of watchers	.	6,376	..
Pay of watchers	5,536		593	24,472	48,075
		Add A-VIII (c) ..	..	..	11,032
Total ..	23,603	Total ..	593	24,472	59,107

ANNUAL
Forest Department,
REGISTER of Breaches of

District.		Cases pending from 1902–1903.	New cases of the year.					Total cases.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
Northern								
Ganjám ..	A	* 58	1	267	47	12	327	385
	B	* 19	..	107	21	9	137	156
	C	..	..	52	..	..	52	..
	Total ..	77	1	426	68	21	516	541
Vizagapatam ..	A	6	1	8	2	2	13	19
	B	47	..	257	71	4	332	379
	C	..	..	..	..	..	..	..
	Total ..	53	1	265	73	6	345	398
Gódávari ..	A	48	8	147	37	10 † 1	203	251
	B	22	..	153	34	5	192	214
	C	..	15	1	..	..	16	..
	Total ..	70	23	301	71	16	411	465
Kistna ..	A	16	..	12	11	1	24	40
	B	56	1	190	133	9	333	389
	C	..	20	..	..	..	20	..
	Total ..	72	21	202	144	10	377	429
Kurnool ..	A	259	2	414	319	19	754	1,013
	B	51	..	318	95	25	438	489
	C	..	..	61	8	15	84	..
	Total ..	310	2	793	422	59	1,276	1,502
Bellary ..	A	146	1	76	90	19	186	332
	B	89	..	247	392	47	686	775
	C	..	..	..	..	..	..	..
	Total ..	235	1	323	482	66	872	1,107
Anantapur ..	A	* 49	1	136	126	21	284	333
	B	* 13	..	203	189	13	405	418
	C	..	77	12	21	..	110	..
	Total ..	62	78	351	336	34	799	751
Total, Northern Circle.	A	582	14	1,060	632	85	1,791	2,373
	B	297	1	1,475	935	112	2,523	2,820
	C	..	112	126	29	15	282	..
Grand Total, Northern Circle ..		879	127	2,661	1,596	212	4,596	5,193

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1902–03 and opening balance of 1903–04 are due to transfers between A and B.

† Driftwood case.

FORM No. 50.

Madras Presidency.

Forest Rules during 1903–1904.

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
224	641	39	220	263 ‡ 57	861 ‡ 203	65
142	463	..	..	142	463	14
..	..	..	..	..	..	..
366	1,104	39	220	405 ‡ 57	1,324 ‡ 203	79
13	36	..	..	13	36	6
314	890	..	..	314 ‡ 23	890 ‡ 177	42
..	..	..	..	..	..	..
327	926	..	..	327 ‡ 23	926 ‡ 177	48
206 † 1	459 2	20	96	227 ‡ 3	557 ‡ 23	21
99	193	..	..	99 ‡ 95	193 ‡ 276	20
..	..	..	..	..	..	..
306	654	20	96	326 ‡ 98	750 ‡ 299	41
31	120	6	41	37	161	3
145	457	..	..	145 ‡ 200	457 ‡ 690	44
..	..	..	..	..	..	..
176	577	6	41	182 ‡ 200	618 ‡ 690	47
870	1,695	45	185	915 ‡ 5	1,880 ‡ 12	93
454	1,027	..	..	454 ‡ 2	1,027 ‡ 7	33
..	..	..	..	..	..	..
1,324	2,722	45	185	1,369 ‡ 7	2,907 ‡ 19	126
169	563	14	69	183 ‡ 17	632 ‡ 54	132
597	1,554	..	..	597 ‡ 101	1,554 ‡ 371	77
..	..	..	..	..	..	..
766	2,117	14	69	780 ‡ 118	2,186 ‡ 425	209
277	1,011	27	146	304	1,157	29
289	827	..	..	289 ‡ 118	827 ‡ 482	11
..	..	..	..	..	..	..
566	1,838	27	146	593 ‡ 118	1,984 ‡ 482	40
1,791	4,527	151	757	1,942 ‡ 82	5,284 ‡ 292	349
2,040	5,411	..	..	2,040 ‡ 539	5,411 ‡ 2,003	241
..	..	..	..	..	..	..
3,831	9,938	151	757	3,982 ‡ 621	10,695 ‡ 2,295	590

‡ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1902–1903.	New cases of the year.					Total cases.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
Central								
Cuddapah ..	A	* 47	1	54	141	16	212	259
	B	* 116	1	293	407	75	776	892
	C †	..	..	..	..	..	..	..
	Total ..	163	2	347	548	91	988	1,151
Nellore ..	A	* 121	1	231	423	9	664	785
	B	* 53	..	471	491	8	970	1,023
	C	..	..	13	96	2	111	..
	Total ..	174	1	715	1,010	19	1,745	1,808
Chingleput ..	A	* 8	..	100	48	8	156	164
	B	* 93	..	372	85	2	459	552
	C	..	..	..	..	..	..	..
	Total ..	101	..	472	133	10	615	716
North Arcot ..	A	* 161	2	311	401	29	743	904
	B	* 181	..	479	319	34	832	1,013
	C	..	175	11	20	1	207	..
	Total ..	342	177	801	740	64	1,782	1,917
South Arcot ..	A	* 293 ‡ 22	1	695	439	92	1,227	1,542
	B	* 368	2	1,249	731	97	2,079	2,447
	C	..	10	473	7	4	494	..
	Total ..	683	13	2,417	1,177	193	3,800	3,989
North Salem ..	A	70	1	76	59	5	141	211
	B	149	..	629	406	19	1,054	1,203
	C	..	..	5	10	..	15	..
	Total ..	219	1	710	475	24	1,210	1,414
South Salem ..	A	* 276	..	305	72	17	394	670
	B	* 150	..	640	232	14	886	1,036
	C	..	64	8	..	1	73	..
	Total ..	426	64	953	304	32	1,353	1,706
Trichinopoly ..	A	* 33	2	49	29	..	80	113
	B	* 93	..	490	268	17	775	868
	C	..	..	50	19	7	76	..
	Total ..	§ 126	2	589	316	24	931	981

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1902–1903 and opening balance of 1903–1904 are due to transfers between heads A and B.

† Reported as unknown.

‡ Undetected cases of the previous year brought on to this head during the year the offenders having been traced.

§ Revised figure.

Rules during 1903-1904—*cont.*

Disposed of during the year.						
Convictions.		Acquittals.		Total.		Cases pending at close of year.
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—*cont.*						
216	615	21	150	237	765	22
609	1,690	..	..	609 § 93	1,690 § 307	190
..	..	..	..	..	..	..
825	2,305	21	150	846 § 93	2,455 § 307	212
544	1,142	61	263	605 § 17	1,405 § 31	163
864	1,787	..	..	864 § 32	1,787 § 105	127
..	..	..	..	..	..	..
1,408	2,929	61	263	1,469 § 49	3,192 § 136	290
96	273	14	40	110 § 44	313 § 166	10
478	1,055	..	..	478 § 1	1,055 § 2	73
..	..	..	..	..	..	..
574	1,328	14	40	588 § 45	1,368 § 168	83
710	1,850	28	101	738 § 41	1,951 § 86	125
893	2,079	..	..	893 § 143	2,079 § 113	77
..	..	..	..	..	..	..
1,603	3,929	28	101	1,631 § 84	4,030 § 199	202
1,169	2,853	33	101	1,202 § 143	2,954 § 303	197
2,004	4,092	..	..	2,004 § 59	4,092 § 80	384
..	..	..	..	..	..	..
3,173	6,945	33	101	3,206 § 202	7,046 § 383	581
159	395	25	69	184	464	27
1,108	2,251	..	..	1,108 § 31	2,251 § 117	64
..	..	..	..	..	..	..
1,267	2,646	25	69	1,292 § 31	2,715 § 117	91
465	1,786	119	485	584 § 18	2,271 § 64	68
852	2,740	..	..	852 § 55	2,740 § 205	129
..	..	..	..	..	..	..
1,317	4,526	119	485	1,436 § 73	5,011 § 269	197
82	182	12	33	94	215	19
771	1,601	..	..	771 § 13	1,601 § 27	84
..	..	..	..	..	..	..
853	1,783	12	33	865 § 13	1,816 § 27	103

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1902–1903.	New cases of the year. Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.
1		2	3	4	5	6	7	8
								Central
Tanjore	A	* 3	..	4	5	..	9	12
	B	12	..	673	53	6	732	744
	C	..	..	1	3	..	4	..
	Total ..	15	..	678	61	6	745	756
Total, Central Circle.	A	1,034	8	1,825	1,617	176	3,626	4,660
	B	1,215	3	5,296	2,992	272	8,563	9,778
	C	..	249	561	155	15	980	..
Grand Total, Central Circle ..		2,249	260	7,682	4,764	463	13,169	14,438
								Southern
South Canara ..	A	* 26	14	117	17	43	191	217
	B	* 70	3	329	93	27	452	522
	C	..	2	39	3	12	56	..
	Total ..	† 96	19	485	113	82	‡ 699	739
North Malabar ..	A	2	..	2	3	1	6	8
	B	..	..	6	1	1	8	8
	C	..	3	..	..	..	3	..
	Total ..	2	3	8	4	2	17	16
South Malabar ..	A	4	..	6	3	2	11	15
	B	..	..	5	..	..	5	5
	C	..	..	..	..	..		..
	Total ..	4	..	11	3	2	16	20
The Nilgiris ..	A	* 38	5	20	40	10	75	113
	B	* 35	2	93	49	16	160	195
	C	..	..	..	..	..	..	..
	Total ..	73	7	113	89	26	235	308
North Coimbatore.	A	26	1	53	95	26	175	201
	B	12	..	149	137	30	316	328
	C	..	129	..	..	..	129	..
	Total ..	38	130	202	232	56	620	529
South Coimbatore..	A	29	..	63	24	31	118	147
	B	54	4	160	100	130	394	448
	C	..	..	..	14	..	14	..
	Total ..	83	4	223	138	161	526	595
Madura	A	* 140	2	179	71	13	265	405
	B	* 107	1	676	385	10	1,072	1,179
	C	..	..	..	..	..	..	..
	Total ..	† 247	3	855	456	23	‖ 1,337	1,584

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1902–1903 and opening balance of 1903–1904 are due to transfers between A. and B.

† Revised figure. ‡ Exclusive of 1,244 petty-offences concerning 1,459 persons who were merely admonished.

‖ Exclusive of the 12 cases the report of which were received subsequent to the close of the year.

Rules during 1903–1904—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
9	24	2	8	11	32	1
624	1,217	..	..	624 § 11	1,217 § 37	109
..	..	..	..	..	..	..
633	1,241	2	8	635 § 11	1,249 § 37	110
3,450	9,120	315	1,250	3,765 § 263	10,370 § 650	632
8,203	18,512	..	..	8,203 § 338	18,512 § 993	1,237
..	..	..	..	..	..	..
11,653	27,632	315	1,250	11,968 § 601	28,882 § 1,643	1,869
Circle.						
99	216	23	40	122 § 72	256 § 171	23
467	1,010	..	..	467	1,010	55
..	..	..	..	..	..	..
566	1,226	23	40	589 § 72	1,266 § 171	78
4	4	1	1	5 § 2	5 § 4	1
8	18	..	..	8	18	..
..	..	..	..	..	..	..
12	22	1	1	13 § 2	23 § 4	1
5	29	2	5	7 § 5	34 § 14	3
5	31	..	..	5	31	..
..	..	..	..	..	..	..
10	60	2	5	12 § 5	65 § 14	3
94	282	2	2	96	284	17
185	490	..	..	185	490	10
..	..	..	..	..	..	..
279	772	2	2	281	774	27
132	379	22	98	154	477	47
202	485	..	..	202 § 89	485 § 254	37
..	..	..	..	..	..	..
334	864	22	98	356 § 89	962 § 254	84
116	288	17	88	133	376	14
298	974	..	..	298 § 91	974 § 220	59
..	..	..	..	..	..	..
414	1,262	17	88	431 § 91	1,350 § 220	73
236	788	43	228	279 § 43	1,016 § 134	83
974	3,306	..	..	974 § 79	3,306 § 213	126
..	..	..	..	..	..	..
1,210	4,094	43	228	1,253 § 122	4,322 § 347	209

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1902–1903.	New cases of the year. Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.
1		2	3	4	5	6	7	8
								Southern
Tinnevelly ..	A	4	5	110	94	10	219	223
	B	50	3	273	58	3	337	387
	C	..	..	3	109	..	112	..
	Total ..	54	8	386	261	13	668	610
Total, Southern Circle.	A	269	27	550	347	136	1,060	1,329
	B	328	13	1,691	823	217	2,744	3,072
	C	..	134	42	126	12	314	..
	Total ..	597	174	2,283	1,296	365	4,118	4,401
Grand Total, Presidency.	A	1,885	49	3,435	2,596	397	6,477	8,362
	B	1,840	17	8,462	4,750	601	13,830	15,670
	C	..	495	729	310	42	1,576	..
Grand Total, Presidency ..		3,725	561	12,626	7,656	1,040	21,883	24,032

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

Rules during 1903–1904—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
177	497	25	60	202	557	21
322	970	..	..	322 * 38	970	27
..	..	..	..	..	..	..
499	1,467	25	60	524 * 38	1,527	48
863	2,483	135	522	998 * 122	3,005 * 323	209
2,461	7,284	..	..	2,461 * 297	7,284 * 687	314
..	..	..	..	..	..	..
3,324	9,767	135	522	3,459 * 419	10,289 * 1,010	523
6,104	16,130	601	2,529	6,705 * 467	18,659 * 1,265	1,190
12,704	31,207	..	..	12,704 * 1,174	31,207 * 3,683	1,792
..	..	..	..	..	..	..
18,808	47,337	601	2,529	19,409 * 1,641	49,866 * 4,948	2,982

* Withdrawn under the orders of the District Forest-officer.

APPENDIX to Form No. 50 for 1903–1904.

—	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám	* 1	320 acres.	Intentional ..	Acquitted ..	....	....
	* 2	300 ,,	Do. ..	Withdrawn ..	....	....
	* 3	60 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two accused sentenced to undergo rigorous imprisonment for three weeks.
	4	*Nil.* †	Do. ..	Pending trial ..	....	....
Vizagapatam.	1	.... ‡	Do. ..	Do. ..	....	....
Gódávari	* 1	121 acres.	Careless ..	Convicted ..	Section 21 of the Madras Forest Act.	Sentenced to pay a fine of Rs. 25 and in default, one month's rigorous imprisonment.
	* 2	200 ,,	Do. ..	Do. ..	Do.	Sentenced to pay a fine of Rs. 20 and in default, one month's rigorous imprisonment.
	* 3	300 ,,	Do. ..	Do. ..	Do.	Sentenced to pay a fine of Rs. 25 and in default, one month's rigorous imprisonment.
	* 4	6,500 ,,	Do. ..	Acquitted ..	....	....
	* 5	....	Intentional ..	Convicted ..	Section 21 of the Madras Forest Act.	Sentenced to pay a fine of Rs. 10.
	6	14,053 acres.	Careless ..	Do. ..	Do.	Sentenced to undergo one month's rigorous imprisonment and to pay a fine of Rs. 20.
	7	6 ,,	Do. ..	Do. ..	Do.	Sentenced to pay a fine of Rs. 25.
	8	1,440 ,,	Do. ..	Acquitted ..	....	....
	9	320 ,,	Do. ..	Convicted ..	Section 21 of the Madras Forest Act.	Fined Rs. 20 each. (The number of accused not reported by the Collector).
	10	....	Do. ..	Do. ..	Do.	Fined Rs. 25 or to suffer fifteen days' rigorous imprisonment.
	11	1,453 acres.	Do. ..	Do. ..	Do.	Sentenced to undergo one month's rigorous imprisonment
	12	1 acre.	Do. ..	Do. ..	Do.	Fined Rs. 10.
	13	1 ,,	Do. ..	Acquitted ..	....	....
Kistna ..	§ 1	.... ‡	Do. ..	Withdrawn ..	....	....
Kurnool ..	1	138 acres.	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Three accused each to undergo rigorous imprisonment for two months.
	2	2,395 ,,	Do. ..	Do. ..	Do.	Fined Rs. 5 in default to undergo simple imprisonment for two days.
Bellary ..	‖ 1	Unknown.	Careless ..	Discharged under section 253, Criminal Procedure Code.	Section 26 of the Madras Forest Act.	....
Anantapur ..	1	2,000 acres.	Do. ..	Acquitted ..	....	....
Cuddapah ..	* 1	3,200 ,,	Intentional ..	Withdrawn ..	....	....
	* 2	1 acre.	Do. ..	Do. ..	....	....
	3	.... ‡	Do. ..	Do. ..	....	....
	¶ 4	200 acres.	Do. ..	Pending ..	....	....
Nellore ..	1	40 ,,	Do. ..	Do. ..	....	....
North Arcot.	1	200 ,,	Careless ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Fined Rs. 20, in default to suffer ten days' simple imprisonment.
	2	20 ,,	Do. ..	Do. ..	Do.	Fined Rs. 5.
South Arcot.	1	*Nil.*	Carelessly throwing away lighted cigars.	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Three accused sentenced to undergo fifteen days' rigorous imprisonment each.
North Salem.	* 1	*Nil.*	Intentional ..	Pending ..	..	....
	2	121 acres.	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 7.
Trichinopoly.	** 1	150 ,,	Do. ..	Do. ..	Do.	Two accused fined Rs. 100 each in default to undergo six weeks' rigorous imprisonment.

* Pending cases of last year. † Found with a lighted torch. ‡ Not reported.
§ The Collector has not explained the variation between this figure and the number of cases shown in Form No. 50.
‖ The Collector has not reported about the result of the case shown as pending at the close of the preceding year.
¶ Form No. 50 shows only one case as having been taken to Court. The discrepancy has not been explained by the Collector.
** Form No. 50 records two cases but the discrepancy has not been explained by the Collector.

Appendix to Form No. 50 for 1903–1904—*cont.*

—	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment
South Canara.	* 1	4 acres.	Careless ..	Compounded for Rs. 2.	....	....
	* 2	30 ,,	Intentional ..	Acquitted ..	....	....
	* 3	*Nil.*	Do. ..	Do ..	....	....
	* 4	15 acres.	Careless ..	Convicted ..	Rules 11 and 15 under section 26.	Fined Rs. 5.
	5	10 ,,	Do. ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 8.
	6	12 ,,	Do. ..	Pending ..	....	....
	7	60 ,,	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 25.
	8	45 ,,	Do. ..	Do. ..	Do.	Fined Rs. 15.
	9	2 ,,	Careless ..	Do. ..	Do.	Fined Rs. 9.
	10	13 ,,	Intentional ..	Do. ..	Do.	Fined Rs. 10.
	11	10 ,,	Careless ..	Acquitted ..	....	....
	12	6 ,,	Do. ..	Withdrawn ..	....	....
	13	300 ,,	Intentional ..	Convicted ..	Rules 11 and 15 under section 26 of the Madras Forest Act.	Fined Rs. 5.
	14	10 ,,	Do. ..	Acquitted ..	....	....
	15	50 ,,	Do. ..	Convicted ..	Rules 11 and 15 under section 26 of the Madras Forest Act.	Fined Rs. 20.
	16	5 ,,	Do. ..	Do. ..	Do.	Do.
	† 17	100 ,,	Do. ..	Pending ..	....	....
The Nilgiris.	1	½ acre.	Careless ..	Acquitted ..	....	....
	2	20 acres.	Intentional ..	Convicted ..	Section 21 (*e*) of the Madras Forest Act.	Two accused fined Rs. 10 each.
	3	....	Do. ..	Do. ..	Do.	Do. Rs. 5 each.
	4	12 acres.	Careless ..	Acquitted ..	....	....
	5	....	Intentional ..	Convicted ..	Section 21 (*e*) of the Madras Forest Act.	Sentenced to undergo one month's rigorous imprisonment.
	6	18 acres.	Do. ..	Pending ..	....	....
	‡ 7	1½ ,,	Do. ..	Do. ..	....	....
North Coimbatore.	§ 1	3,750 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two accused sentenced to undergo two weeks' simple imprisonment each.
Madura ..	1	Not known.	Do. ..	Acquitted ..	....	....
	2	Do.	Do. ..	Do. ..	....	....
Tinnevelly ..	1	206 acres.	Do. ..	Do. ..	....	....
	2	300 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Received 10 stripes with a light rattan.
	3	609 ,,	Careless ..	Do. ..	Do.	Fined Rs. 30, in default to undergo one month's simple imprisonment.
	4	0·10 acre.	Do. ..	Do. ..	Do.	Fined Rs. 30.
	5	0·01 ,,	Do. ..	Pending ..	....	....

* Cases which were pending at the close of 1902–1903.

† Form No. 50 shows 14 new cases of the year against 13 shown in this appendix. The variation has not been explained by the Collector.

‡ Form No. 50 shows only five cases. The Collector has not explained the variation nor reported the results of the cases shown as pending at the close of 1902–1903.

§ The result of the trial of the case shown as pending at the close of 1902–1903 has not been reported by the Collector.

Annual Form No. 51.

Forest Department, Madras Presidency.

Area of Forest Tracts protected from Fire during 1903-1904.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Ganjám—Special.	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Mojjaguda	Gullery	1901	2,003	2,536	..	2,536	284	
	Rambha	1903	..	343	237	106	103	
	Baiballi	1903	170	1,090	8	1,082	80	
	Darpangia	1903	140	1,071	..	1,071	102	
	Dhimrijholi	1903	386	392	2	390	63	
	Tiliki	1903	633	1,589	18	1,571	105	
	Kaliamba	1904	..	900	..	900	51	
	Total, Mojjaguda	..	3,332	7,921	265	7,656	788	
Kukuluba	Brahmanasai	1901	1,410	1,545	418	1,127	165	
	Chendragiri	1903	4,846	4,500	496	4,004	336	
	Gogodo	1903	2,650	3,100	820	2,280	98	
	Ambazora	1903	2,000	2,000	3	1,997	76	
	Jagannadhaprasad	1904	..	400	10	390	109	
	Kullada	1904	..	600	55	545	65	
	Total, Kukuluba	..	10,406	12,145	1,802	10,343	849	
Buguda	Panchabhuti	1903	2,500	2,500	..	2,500	126	
	Kurcholi	1901	796	800	..	800	61	
	Kriamba	1903	7,450	8,000	8	7,992	330	
	Total, Buguda	..	10,746	11,300	8	11,292	517	
Suradá	Rogada	1903	5,020	2,044	113	1,931	203	
	Mundapetta	1903	2,557	1,776	102	1,674	102	
	Dabuki	1903	1,192	1,200	..	1,200	27	
	Dowgam	1903	1,998	769	..	769	61	
	Pippalaponka	1903	4,467	3,277	240	3,037	166	
	Bondagocha	1904	..	238	6	232	31	
	Total, Suradá	..	15,234	9,304	461	8,843	590	
	Total, Ganjam, Special	..	39,718	40,670	2,536	38,134	2,744	
General.—Berhampur.	Ramagoda	1885	7,927	7,955	288	7,667	28	
	Baniamari	1885	3,990	4,028	..	4,028	14	
	South Mohiri	1885	3,414	3,408	13	3,395	14	
	Total, General	..	15,331	15,391	301	15,090	56	
	Total, Ganjám, Special and General.	..	55,049	56,061	2,837	53,224	* 2,941	* Includes a sum of Rs. 141 spent on account of dry season of 1903 which was debited in the accounts for 1903-1904.
Vizagapatam.	Dharakonda	1901-1902	25,226	42,894	2,560	40,334	134 (for all tracts)	
	Senivaram	1901-1902	20,488	31,488	2,247	29,241		
	Sithakhandi	1901-1902	2,367	2,368	..	2,368		
	Arlova	1901-1902	4,318	4,318	..	4,318		
	Karaka	1901-1902	9,461	9,461	..	9,461		
	Madalammakonda	1900-1901	3,600	3,600	..	3,600		
	Pedimikonda	1900-1901	3,227	3,227	..	3,227		
	Kodavatipudi	1900-1901	1,544	1,544	..	1,544		
	Kakarlakonda	1900-1901	1,924	1,924	..	1,924		
	Boddapalem	1900-1901	308	308	..	308		
	Venkatapuram	1900-1901	508	508	..	508		
	Sarugudu reserve Nos. 1 to 4	1900-1901	..	19,079	..	19,079		
	Peddapalli	1892	9,077	9,077	..	9,077		
	Kadagandi	1900-1901	..	11,064	4	11,060		
	Barnakonda	..	..	13,517	3,976	9,541		
	Antikonda	..	..	6,969	172	6,797		
	Palakonda	..	..	4,580	67	4,513		
	Chinnagora	..	..	2,383	56	2,327		
	Total, Vizagapatam	..	82,048	168,309	9,082	159,227	134	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—Bhadráchalam range.	Dummagudem reserve ..	1887 ..	6,107	6,110	*Nil.*	6,110	160	
	Arlagudem reserve ..	1888 ..	6,136	6,136	11	6,125	160	
	Total, Bhadráchalam ..	..	12,243	12,246	11	12,235	320	
Marrigudem range.	1. Bandrevu reserve ..	1904 ..	..	10,900	300	10,600		
	2. Gullaguppa ,, ..	1904 ..	..	8,000	560	7,440		
	3. Narakonda ,, ..	1904 ..	..	7,500	200	7,300		
	4. Pegha ,, ..	1904 ..	..	4,400	*Nil.*	4,400		
	5. Uppanapalli ,, ..	1904 ..	..	3,300	*Nil.*	3,300		
	6. Seetarampuram reserve	1904 ..	..	3,000	*Nil.*	3,000	378	
	7. Bandarugudem ,,	1904 ..	..	7,100	470	6,630		
	8. Burakanakota ,,	1904 ..	..	1,500	250	1,250		
	9. Repaka ,,	1887 ..	7,000	7,000	2,000	5,000		
	10. Tattilanka ,,	1887 ..	11,905	12,000	*Nil.*	12,000		
	11. Ramachandram ,,	1887 ..	10,165	10,300	140	10,160		
	Total, Marrigudem ..	..	29,070	75,000	3,920	71,080	* 425	
Rékapalle range.	Rékapalle hill reserve working-plan area compartment No. I.	1901 ..	11,600	14,053	4,086	9,967		
	Rékapalle hill reserve working-plan area compartment No. II.	1903 ..		14,053	2,830	11,223		
	Rékapalle hill reserve working-plan area compartment No. III.	1903 ..		14,053	417	13,636		
	Rékapalle hill reserve working-plan area compartment No. IV.	1903 ..		14,053	2,168	11,885		
	Rékapalle hill reserve working-plan area compartment No. V.	1903 ..	73,812	14,053	*Nil.*	14,053		
	Rékapalle hill reserve working-plan area compartment No. VI.	1903 ..		14,053	500	13,553	2,069	
	Rékapalle hill reserve working-plan area compartment No. VII.	1903 ..		14,053	*Nil.*	14,053		
	Rékapalle hill reserve working-plan area compartment No. VIII.	1903 ..		14,053	8	14,045		
	Rékapalle hill reserve working-plan area compartment No. IX.	1903 ..		14,053	*Nil.*	14,053		
	Rékapalle hill reserve working-plan area compartment No. X.	1902 ..	103	14,053	*Nil.*	14,053		
	Pulusumamidi reserve ..	1902 ..	3,160	4,520	*Nil.*	4,520	83	
	Mattapalli ,, ..	1887 ..	7,100	9,500	*Nil.*	9,500	140	
	Total, Rékapalle ..	..	95,775	154,550	10,009	144,541	2,292	
	Total for the Sub-division.	..	137,088	241,796	13,940	227,856	3,037	
Rajahmundry range.	1. Devancheruvu reserve.	1887 ..	2,051	2,051	*Nil.*	2,051	32	
	2. Kojida reserve ..	1889 ..	1,280	1,280	1	1,279	16	
	3. Murari ,,	1889 ..	700	700	..	700	16	
	4. Lakkonda ,,	1887 ..	10,064	13,104	1,250	11,854	64	
	5. Molleru	1887 ..	8,152	8,250	50	8,200	31	
	6. Mallavaram	1887 ..	,540	7,600	344	7,256	32	
	7. Sudikonda	1887 ..	6,841	6,880	11	6,869	32	
	8. Tirumalayapalem ..	1887 ..	5,136	5,150	..	5,150	48	
	Total, Rajahmundry ..	..	41,764	45,015	1,656	43,359	271	
Peddápuram range.	Totopalli reserve	1890 ..	2,148	2,150	..	2,150	32	

* Includes cost of fire-tracing of certain forest roads.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—*cont.* Yernagúdem range.	1. Beddadavole reserve ..	1890 ..	14,791	15,000	89	14,911	163	
	2. Jilugumalli reserve ..	1893 ..	3,318	3,318	..	3,318	} 75	
	3. Barrinkalapadu ..	1898 ..	1,650	1,650	40	1,610		
	4. Marlagudem	1890 ..	2,100	2,100	2	2,098	86	
	Total, Yernagúdem ..	..	21,859	22,068	131	21,937	324	
Ellore range.	1. Yerraguntapalli ..	1888 ..	8,634	8,640	..	8,640	84	
	2. Barrikonda	1888 ..	4,010	4,010	..	4,010	48	
	3. Bandamcherla . ..	1888 ..	5,200	5,200	..	5,200	60	
	Fire tracing of the boundary of the first two reserves contiguous to Hyderabad.						16	
	Total, Ellore ..	..	17,844	17,850	..	17,850	208	
	Total for the Main division.	..	83,615	87,083	1,787	85,296	835	
	Total for the Sub-division.	..	137,088	241,796	13,940	227,856	3,037	
	Grand Total, Gódávari ..	..	220,703	328,879	15,727	313,152	3,872	
Kistna—(Special).	Kondapalli reserve, compartments II, III, IV, V, VI, IX, XI and XIV.	1884–85 ..	9,979	9,979	7,140	2,839	67	
	Kondur reserve	1903–1904..	..	200	..	200	5	
	Venkatayapalem reserve, compartments I, II and III.	1894–95 ..	15,407	15,588	682	14,906	48	
	Bollapalli reserve, compartment I.	1885–86 ..	18,584	3,094	..	3,094	30	
	Gangalakunta	1890–91 ..	14,061	16,781	11,773	5,008	12	
	Paswemula	1892–93 ..	8,963	8,963	7,875	1,088	6	
	Total, Special ..	..	66,994	54,605	27,470	27,135	168	
(General) ..	Kondapalli reserve and its Extension No. 1.	..	11,968	11,968	..	11,968	..	
	Venkatayapalem	..	24,978	24,978	..	24,978	..	
	Bollapalli reserve compartments 2 to 6.	..	..	15,490	10,150	5,340	..	
	Coupes in Vinukonda range	..	...	700	100	600	..	
	Gangulakunta	..	878	878	..	878	..	
	Paswemula	..	9,412	9,412	..	9,412	..	
	Total, General ..	..	47,236	63,426	10,250	53,176	..	
	Total, Kistna, Special and General.	..	114,230	118,031	37,720	80,311	* 188	
Kurnool—(Special).	North and South Bairluti blocks.	1887 ..	2,252	17,152	17,152	..	247	
	"A" block	1889 ..	4,561	5,267	4,068	1,199	239	
	South Chelama	1891 ..	4,544	6,965	5,000	1,965	107	
	South Chelama Addition ..	1894 ..	292	5,378	2,000	3,378	127	
	Gummakonda	1893 ..	..	7,680	7,680	..	72	
	Diguvametla	1891 ..	785	785	135	650	82	
	Jangambhavi	1891 ..	113	113	15	98	35	
	Western Veligonda block.	1889 ..	17,132	17,780	138	17,642	100	
	Chelama Improvement felling block.	1895 ..	325	1,114	1,114	..	33	
	Gazulapalli Railway fuel felling coupe.	1902 ..	..	† ..	..	..	50	
	Chelama Railway fuel felling coupe.	1902 ..	41	1,016	1,016	..	25	
	Palerdam Railway fuel felling coupe.	1903 ..	514	602	280	322	11	
	Compartment No. III coupes.	1902 ..	1,278	2,400	2,400	..	67	
	Gadedamadgu reserve felling coupes.	1903 ..	108	324	160	164	10	
	North Dhone reserve felling coupes.	1903 ..	416	716	620	96	14	

* Includes the amounts expended during the year in Palnad (Rs. 10), Vinukonda (Rs. 3) and Guntúr (Rs. 7) on account of previous year.

† Area included in "A" block.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Kurnool—*cont.*	Kamalapuram reserve felling coupes.	1903 ..	24	94	94	..	4	
	Fire tracing Railway line and around Chelama house.	..	..	..	..	..	234	
	Velgodu block	1904 ..	..	..	..	..	205	
	Pogapadu block	1904 ..	..	4,387	3,290	1,097	107	
	Extinguishing fires in unprotected areas.	..	..	..	..	..	2	
	Total, Kurnool ..	..	32,385	71,773	45,162	26,611	1,771	
Bellary. Sandur—(Special).	Ramandrug	1883 ..	4,580	6,841	640	6,201	704	
	North-East range ..	1883 ..	1,056	4,267	1,056	3,211		
	Donimalai	1883 ..	1,112	1,112	1,112	..		
	Tornagal	1898–99 ..	..	50	..	50	4	
Adóni ..	Kupgal	1892–93 ..	492	497	..	497	20	
	Tungabhadra	1892–93 ..	84	84	9	75	7	
Bellary ..	Malapanagadi, Yepi block.	1886–87 ..	1,060	1,066	..	1,066	36	
Kudligi ..	Sivapuram	1902–1903.	100	200	..	200	..	
	Chiribi	1899–1900.	..	..	..	..	..	
Harpanahalli.	Hyrada coupes	1899–1900.	*Nil.*	2,616	2,616	..	8	
	Total, Bellary ..	..	8,484	16,733	5,433	11,300	779 — * 11	
Anantapur. (Special).	Muchukota	1884 ..	6,998	10,000	3,200	6,800	405	
	Kothakota	1884 ..	10,496	11,016	4	11,012	261	
	Amagondapaliem	1884 ..	14,835	15,360	..	15,360	410	
	Nyalakota	1890 ..	4,199	12,156	100	12,056	220	
	Total, Special ..	..	36,528	48,532	3,304	45,228	1,296	
(General).	Guttur (West)	1887 ..	3,778	3,880	900	2,980	30	
	Durgam	1894 ..	3,640	..	..	..	..	
	Gopidevarapalli	..	1,884	..	..	..	..	
	Dokkalakonda	1898 ..	7,420	..	..	..	..	
	Kekathi	1898 ..	1,235	..	..	..	..	
	Iyyampalli	1903 ..	1,344	..	..	..	..	
	Total, General ..	..	19,301	3,880	900	2,980	30	
	Total, Anantapur Special and General.	..	55,829	52,412	4,204	48,208	1,326 + * 22	
	Total, Northern Circle. (Special).	..	184,109	232,313	83,905	148,408	6,930	
	Total, Northern Circle (General).	..	384,619	579,885	36,260	543,625	4,092	
	Grand Total, Northern Circle.	..	568,728	812,198	120,165	692,033	11,022	
	Central Circle.							
Cuddapah Pullampet—Veligonda.	Chiyyavaram reserve and extension.	1903 ..						
	Kodur reserve and extension.	1874 ..	30,702	30,702	15,351	15,351	240	
	Settigunta reserve ..	1871 ..						
Seshachalalm ..	Seshachalam reserve ..	1867–73 ..	77,085	77,085	34,688	42,397	472	
Vayalpad Sidhout.	Do. ..	1890–1903.	33,586	33,586	8,434	25,152	411	
Cuddapah range.	Palkondas ..	1901 ..	12,420	12,420	11,178	1,242	187	
	Do. ..	1901 ..	35,510	35,510	23,436	12,074	397	
	Gangunapulli coupe ..	1904 ..	..	250	..	250	..	
Sidhout range.	Lankamalais	1883 ..	17,660	17,660	16,424	1,236	202	
Badvel range.	Do.	1883 ..	17,140	17,140	8,570	8,570	376	

* Added or deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Prodattur ..	Nallamalais	1883-1885..	27,558	27,558	13,000	14,558	389	
Vayalpaud ..	Nallamalais	..	* 34,000	* 34,000	17,290	16,710	190	
Kadiri ..	Horsleykonda	..	21,739	10,000	45	9,955	95	
Vayalpaud.	Nigudi reserve	..	27,770	27,770	1,280	26,490	117	
	Tradukonda reserve ..	..	2,200	2,200	1,920	280	40	
	Total, Cuddapah ..	..	337,370	325,881	151,616	174,265	3,116	
Nellore ..	Udayagiri Veligondas A and B blocks in Udayagiri range.	1883 ..	59,020	60,000	350	59,650	504	
	Rapur-Veligondas A and B blocks in Rapur range.	1883 ..	30,280	30,720	1,392	29,328	414	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri-Veligondas.	1883 ..	23,920	26,780	1,720	25,060	244	
	Udayagiri-Durgam hill and Karisakonda in Udayagiri range.	1902 ..	15,760	15,760	30	15,730	68	
	Udayagiri-Yerrakondas ..	1903 ..	14,080	14,080	..	14,080	113	
	Gundlakonda in Udayagiri range.	1903 ..	720	720	..	720	30	
	Total, Nellore ..	..	143,780	148,060	3,492	144,568	1,373 †(a)838	
Chingleput district—Chingleput range.	Maiyur	1900-1901.	283	283	..	283	4	
	Karunguli	1900-1901.	16	16	..	16	..	
	Kambakkam	1883-84 ..	15,879	15,879	..	15,879	} 349	
Tiruvallúr range.	Nagalapuram	1883-84 ..	9,632	9,632	140	9,492	}	
	Total, Chingleput ..	..	25,810	25,810	140	25,670	353	
North Arcot—Special protection. Chittoor range.	Chittaparai	1888 ..	4,250	4,276	..	4,276	24	
	Paradarani	1880 ..	8,897	9,100	60	9,040	50	
	Pachigunta	1888 ..	1,800	1,800	..	1,800	17	
	Irala A and B	1888 ..	12,531	12,531	395	12,136	123	
	Parapumalai	1899 ..	2,227	2,227	..	2,227	26	
	Tavanampalle	1899 ..	1,862	1,862	..	1,862	27	
	Puthalapat	1891 ..	3,077	3,077	..	3,077	13	
	Total, Chittoor ..	..	34,644	34,873	455	34,418	280	
Chandragiri.	Mungilpatti	1890 ..	27,744	27,744	315	27,429	64	
	Panapakam	1880 ..	17,318	17,318	80	17,238	93	
	Mamandur	1874 ..	1,760	1,760	..	1,760	69	
	Do. extension ..	1888 ..	10,291	10,291	800	9,491	109	
	Napier	1880 ..	8,826	8,826	..	8,826	193	
	Tirupati hill	1888 ..	18,554	18,554	350	18,204	119	
	Nagapatla	1890 ..	18,912	18,912	440	18,472	67	
	Chamala	1880 ..	19,142	19,142	450	18,692	125	
	Tirupati Hill extensions A and B.	1891 ..	6,298	6,298	200	6,098	28	
	Total, Chandragiri ..	..	128,845	128,845	2,635	126,210	867	
Palmanér ..	Peddanaigdrug	1880 ..	14,419	14,419	1,460	12,959	52	
	Mordana	1884 ..	9,200	9,200	1,270	7,930	65	
	Charagal	1888 ..	6,719	6,719	31	6,688	49	
	Peddur	1880 ..	16,526	16,526	1,425	15,101	70	
	Naickaneri	1880 ..	6,840	6,840	1,288	5,552	49	
	Musalimadugu	1884 ..	5,542	5,542	..	5,542	142	
	Palmanér	1892 ..	6,298	6,298	145	6,153	66	
	Peddur extension ..	1895 ..	9,395	189	25	164	5	
	Basivireddipalle	1903 ..	239	239	..	239	4	
	Total ..		75,178	65,972	5,644	60,328	502	

* In the remaining portion there is nothing to burn; hence excluded from the area attempted to be protected.
(a) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.		
North Arcot district—*cont.* Special protection—*cont.*	Penamadangi	1887 ..	10,515	10,515	..	10,515	46	
	Naickaneri (Gudiyáttam portion).	1884 ..	5,154	5,154	590	4,564	25	
	Mordana (Gudiyáttam portion).	1884 ..	14,614	14,614	1,700	12,914	34	
	Amburdrug	1884 ..	10,139	10,139	136	10,003	58	
	Mordana extension ..	1891 ..	9,094	9,094	320	8,774	19	
	Gundlapalli reserve ..	1894 ..	7,354	7,354	..	7,354	28	
	Do. extension ..	1894 ..	928	..	Transferred to General Protection.			
	Sayanagunta	1891 ..	7,306	7,306	..	7,306	31	
Gudiyáttam.	Charagal (Gudiyáttam portion.)	1893 ..	11,566	11,566	335	11,231	50	
	Kanjanur	1893 ..	1,549	1,549	104	1,445	17	
	Sayanagunta (extension) ..	1892 ..	2,496	..	Transferred to General Protection.			
	Karapet ..	1892 ..	8,000	8,000	404	7,596	63	
	Naickaneri extension ..	1887 ..	1,568	1,568	..	1,568	13	
	Paradarami extension ..	1889 ..	1,888	..	Transferred to General Protection.			
	Paradarami (Gudiyáttam portion).	1903 ..	4,505	4,302	..	4,302	8	
	Jangalapalle	1903 ..	109	2,734	..	2,734	17	
	Pallalacuppam	1903 ..	94	94	..	94	14	
	Kallapady	1894 ..	..	6,945	..	6,945	5	
	Total, Gudiyáttam ..	..	96,879	100,934	3,589	97,345	428	
	Arasambat reserve ..	1887 ..	17,890	17,890	2,326	15,564	167	
	Ambur fuel	1879 ..	5,183	5,453	..	5,453	3	
	Vellakal	1889 ..	5,307	5,037	1,305	3,732	22	
	Ambur	1887 ..	27,878	27,878	2,060	25,818	107	
	Athiyur	1889 ..	4,800	4,800	172	4,628	38	
	Palamadi	1880 ..	8,160	8,160	1,531	6,629	90	
	Tellai (Vellore portion) ..	1891 ..	1,330	1,330	861	469	27	
Vellore ..	Karuthamalai	1882 ..	20,486	20,486	355	20,131	48	
	Kylasagiri	1892 ..	2,524	2,534	800	1,734	47	
	Kaniyambadi	1892 ..	5,472	Transferred to General Protection.				
	Shanankuppam	1893 ..	13,843		Do.	do.	..	
	Appukkal	1892 ..	800		Do.	do.	..	
	Banavaram	1880 ..	1,022	1,022	..	1,022	6	
	Punganur	1884 ..	13,498	13,498	4,831	8,667	34	
	Ammur	1884 ..	5,139	5,139	..	5,139	32	
	Total, Vellore ..	..	133,342	113,227	14,241	98,986	621	
	Karnatighur	1881 ..	7,270	7,270	..	7,270	120	
	Malayalam	1887 ..	28,614	28,615	146	28,469	151	
	Mulacad	1890 ..	15,744	15,744	810	14,934	134	
	Santavasal	1890 ..	9,670	9,670	80	9,590	53	
	Periamalai	1892 ..	6,970	6,970	60	6,910	56	
Pólúr ..	Paruvadamalai	1892 ..	5,779	5,779	..	5,779	41	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	100	14,762	44	
	Vellimalai	1893 ..	2,003	2,003	25	1,978	18	
	Virappanur	1886 ..	31,469	31,469	..	31,469	7	
	Puttur	1879 ..	18,458	Transferred to General Protection				
	Kelur	1884 ..	2,989	2,989	..	2,989	6	
General Protection.	Total, Pólúr ..	..	143,828	125,371	1,221	124,150	633	
	Total, North Arcot, Special.	..	612,716	569,222	27,785	541,437	3,327	
	Santhapet	1882 ..	2,149	2,148	80	2,068	Nil.	
	Basavapalli A and B ..	1888 ..	1,784	1,784	..	1,784		
	Bommasamudram A and B.	1891 ..	1,128	1,128	..	1,128		
	Vavilthotta ..	1891 ..	2,495	2,107	..	2,107		
	Chittoor	1882 .	385	385	..	385		
	Bommasamudram extension.	1892 ..	1,312	1,312	30	1,282		
	Kinatipalli extension ..	1893 ..	994	994	..	994		
Chittoor ..	Basavapalle do. ..	1894 ..	841	841	..	841		
	Reddigunta	1893 ..	1,441	1,441	..	1,441		
	Chases hill	1893 ..	2,692	2,692	..	2,692		
	Iralla extension ..	1893 ..	2,650	2,650	..	2,650		
	Penumur	1891 ..	1,082	Transferred to Chendragiri Range.				
	Do. extension ..	1893 ..	3,123	Do.		do.		
	Santhapet ext A, B & C.	1893 ..	482	483	..	483		
	Chilapallee ..	1884 ..	1,166	1,166	..	1,166		
	Mahimandalam	1888 ..	2,528	2,528	..	2,528		

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
North Arcot —*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.		
General Protection—*cont.* Chittoor —*cont.*	Veerisettipalli	1888 ..	7,287	7,044	..	7,044		
	Keenatipalli	1884 ..	1,417	1,417	..	1,417		
	Do. extension B ..	1893 ..	..	25	..	25		
	Pudipatlabylu	1880 ..	..	4,294	..	4,294		
	Damalcherla A and B ..	1892 ..	..	2,368	..	2,368		
	Total, Chittoor ..	..	34,956	36,807	110	36,697		
Chandragiri.	Sanambatla	1892 ..	5,139	5,139	45	5,094		
	Pakala A and B	1894 ..	2,035	150	..	150		
	Napier extension	1900 ..	26	26	..	26		
	Penumur (Chandragiri portion)	1893 ..	1,350	1,350	..	1,350		
	Padipatlabylu	1880 ..	4,294	Transferred to Chittoor Range.				
	Damalcherla A and B ..	1892 ..	2,368	Do.		do.		
	Panapakam extension ..	1892 ..	9,082	152	..	152		
	Chandragiri hill	1892 ..	1,293	93	..	93		
	Penumur extension A & B.	1893 ..	..	200	..	200		
	Do. (Chittoor portion)	1891 ..	..	1,082	..	1,082		
	Total, Chandragiri ..	..	25,587	8,192	45	8,147		
Palmanér ..	Basivireddipalli	1884 ..	5,253	5,253	509	4,744		
	Palmanér plantation ..	1884 ..	2	..	..	..		
	Nagamangalam tope ..	1884 ..	20	..	..	..		
	Peduguvaripalli do. ..	1884 ..	4	..	..	..		
	Venkatagirikota do. ..	1884 ..	9	..	..	..		
	Baireddipalli do. ..	1884 ..	4	..	..	..		
	Melmoy	1884 ..	1,568	1,568	300	1,268		
	Patticonda	1893 ..	5,190	5,190	..	5,190		
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875		
	Basivireddipalli A ..	1895 ..	2,170	2,170	185	1,985		
	Do. B ..	1895 ..	5,792	5,792	305	5,487		
	Alapalli	1895 ..	2,029	2,029	..	2,029		
	Nellipatla	1895 ..	7,134	7,135	230	6,905		
	Virlabunda	1895 ..	2,569	2,569	150	2.419		
	Thotakanama	1895 ..	4,710	4,710	405	4,305		
	Peddur extension	..	..	9,205	..	9,205	*Nil.*	
	Total, Palmanér ..	..	38,329	47,496	2,084	45,412		
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	..	..	..		
	Virinjipuram do. ..	1884 ..	260	..	..	..		
	Senur do. ..	1884 ..	130	..	..	..		
	Ammundi do. ..	1884 ..	160	..	..	..		
	Thandrayagunta plantation	1884 ..	3	..	..	..		
	Vikramasi	1884 ..	129	..	..	..		
	Pallalacuppam	1892 ..	6,728	6,728	150	6,578		
	Do. extension A and B.	1893 ..	5,883	1,000	..	1,000		
	Bommanaikenpaliem ..	1894 ..	913	113	..	113		
	Kempasamudram A and B.	1893 ..	1,414	1,014	80	934		
	Kallapady	1894 ..	6,945	Transferred to Special protection.				
	Jangalapally	1884 ..	2,625	Do.		do.		
	Paradarami extension ..	1889 ..	..	888	..	888		
	Synagunta do. A & B.	1892 ..	..	2,496	..	2,496		
	Gundapalle do. ..	1894 ..	..	928	..	928		
	Total, Gudiyáttam ..	..	25,621	13,167	230	12,937		
Vellore ..	Ambúr plantation ..	1884 ..	6	..	..	..		
	Vellore	1892 ..	2,413	2,413	300	2,113		
	Pallicon da	1892 ..	3,898	3,898	420	3,478		
	Vellimalai	1892 ..	2,797	2,797	5	2,792		
	Parvamalai	1892 ..	7,078	7,078	..	7,078		
	Kilminnal plantation ..	1884 ..	150	..	..	..		
	Sennaleri	1884 ..	1,675	..	..	..		
	Sattur	1884 ..	750	..	..	..		
	Thandappan Thangal ..	1884 ..	1,099	..	..	..		
	Enadivadi	1884 ..	1,565	..	..	..		
	Sholavaram	1884 ..	1,184	..	..	..		
	Do. extension ..	1895 ..	885	..	..	..		
	Thandappan Thangal extension	1895 ..	310	..	..	..		
	Vannivedu plantation ..	1884 ..	39	..	..	..		

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
North Arcot —*cont.* General protection —*cont.* Vellore —*cont.*	Gudalur	1884 ..	535	..	..	..		
	Ananthapuram	1880 ..	540	..	..	..		
	Ammanur	1880 ..	203	203	..	203		
	Kolathur	1884 ..						
	Arkonam plantation ..	1884 ..	1,729	..	..	..		
	Head Assistant Collector's		58	..	..	..		
	compound	1884 ..	4	..	..	..		
	Kaniyambadu	1892 ..	..	5,472	390	5,082		
	Appukal	1892 ..	..	800	150	650		
	Sanancuppam	1893 ..	..	13,843	1,423	12,420		
	Total, Vellore ..	..	26,918	36,504	2,688	33,816		
Pólúr ..	Arasambut	1884 ..	12,824	12,824	..	12,824		
	Amerdi plantation ..	1884 ..	25	..	..	..		
	Patracad	1881 ..	25,254	25,254	660	24,594		
	Kappalur	1884 ..	1,504	1,504	25	1,479	*Nil.*	
	Alialamangalam	1884 ..	10,027	10,027	..	10,027		
	Santavasal extension A and B.	1892 ..	331	331	..	331		
	Brahmanakateri	1884 ..	561	561	..	561		
	Kodiyalam	1884 ..	243	243	..	243		
	Badur A and B.	1884 ..	835	835	..	835		
	Vengunam	1884 ..	1,288	1,288	..	1,288		
	Nambedu	1884 ..	947	947	..	947		
	Vishamangalam	1884 ..	1,148	1,148	..	1,148		
	Ponnur	1884 ..	1,656	1,656	..	1,656		
	Nedungal	1884 ..	2,298	2,298	..	2,298		
	Nambedu extensions A, B and C.	1895 ..	397	397	..	397		
	Nedungunam	1884 ..	1,697	1,697	..	1,697		
	Puthur	1879 ..	..	18,458	..	18,458		
	Total, Pólúr ..	..	61,035	79,468	685	78,783	..	
	Total, General Protection.	..	212,446	221,634	5,842	215,792	..	
	Total, Special Protection.	..	612,716	569,222	27,785	541,437	3,327	
	Total, North Arcot, Special and General Protection.	..	825,162	790,856	33,627	757,229	3,327	
South Arcot-Special protection. Tiruvanná-malai range.	Annamalai	1878 ..	2,600	2,640	..	2,640	109	
	Kavuthumalai	1878 ..	7,085	7,085	1	7,084	77	
	Tenmalai	1877 ..	27,706	31,706	1,315	30,391		
	Nallapattu	1889 ..	5,094	5,094	..	5,094		
	Pelamarudur	1889 ..	5,075	5,075	..	5,075	97	
	Paramanandal	1895 ..	1,417	1,517	..	1,517		
	Mudanai	1898 ..	7,046	7,046	..	7,046		
	Valasamalai	1883-84 ..	11,969	12,369	..	12,369	113	
	Nattampalli	1889 ..	7,270	7,270	..	7,270	92	
	Perunkolathur-Swami-malai.	1883-84 ..	9,312	9,312	55	9,257	45	
	Chinnasamudram ..	1900 ..	2,838	2,842	1	2,841	..	
	Damarakadu	1900 ..	3,760	3,764	5	3,759	27	
Kallakurchi range.	Tagarai	1883-84 ..	14,325	14,338	..	14,338	183	
	Total, South Arcot ..	..	105,497	110,058	1,377	108,681	743	
North Salem Special protection. Tiruppattúr range.	Singarapet	1881 ..	2,418	2,636	..	2,636	59	
	Total, Tiruppattúr ..	..	2,418	2,636	..	2,636	59	
Hosúr range.	Melagiri	1885 ..	5,176	5,461	..	5,461	91	
	Kanavoi Kottapalli ..	1885 ..	442	742	..	742	26	
	Gulhatti	1885 ..	3,241	3,248	..	3,248	68	
	Manchi	1885 ..	755	3,305	200	3,105	128	
	Kanavanagasamudiram ..	1885 ..	336	416	..	416	24	
	Total, Hosúr ..	..	9,950	13,172	200	12,972	337	
	Total, North Salem Special.	..	12,368	15,808	200	15,608	396	

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
North Salem-General protection. Tiruppattúr range.	Alangayam	1891 ..	990	1,302	..	1,302	49	
	Narasingapuram	1893 ..	866	457	50	407	28	
	Kalarapatti	1895 ..	1,250	728	..	728	30	
	Punguiam coupes.. ..	1895-96 ..	1,200	800	..	800	33	
	Mambakkam	1894 ..	120	..	..	..	..	
	Andiappanur	1894 ..	1,480	1,135	..	1,135	45	
	Govindapuram	1895 ..	1,669	815	..	815	39	
	Kottur (Yelagiri) ..	1885 ..	1,200	1,225	..	1,225	46	
	Onnakarai	1897 ..	3,000	1,363	..	1,363	62	
	Kallavi	..	1,230	1,303	..	1,303	71	
	Burgur block	1892 ..	1,806	..	..	..	..	
	Kothur do.	1883 ..	2,345	1,200	..	1,200	48	
	Neralakottai	1893 ..	1,269	1,452	..	1,452	58	
	Maharajagudai	1896 ..	1,399	1,736	..	1,736	77	
	Mangalam	1901-02 ..	781	981	..	981	63	
	Elavambadi	1902-03 ..	482	726	..	726	22	
	Total, Tiruppattúr ..	..	21,087	15,223	50	15,173	671	
Hosúr range.	Javlagiri	1900 ..	5,155	5,160	15	5,145	100	
	Noganur coupe	1900 ..	252	338	..	338	28	
	Total, Hosúr ..	..	5,407	5,498	15	5,483	128	
	Total, North Salem, general.	..	26,494	20,721	65	20,656	799	
	Total, North Salem, special and General.	..	38,862	36,529	265	36,264	1,136 + (*a*) 59	
South Salem.	Shevaroys South Working Circle new coupe.	1901 ..	1,559	2,022				
	Pannikaradu specially protected block.	1882 ..	1,729	1,929	..	8,351	169	
	Kurumbapatti old coupes 1—25.	1897 ..	4,000	4,000				
	Nagaramalai reserve ..	1901 ..	300	400				
	Shevaroys East Working Circle new coupes 1 and 2.	1902 ..	884	1,393	..	2,393	142	
	Kapputhu old coupe 1—3.	1897 ..	1,000	1,000				
	Gothamalai old coupes 1—24.	1903 ..	..	2,000	15	1,985	47	
	Vadugampatti specially protected block.	1881 ..	1,974	1,976	..	1,976	..	
	Morur specially protected block of Lokur reserved forest.	1881 ..	799	799	..	799	34	
	Ammaneri specially protected block No 8.	1882 ..	252	252	..	252	9	
	Pillapalli Kombai specially protected block No. 7 of Pilapalli reserve,	1882 ..	981	1,431	360	1,071	4	
	Kuriappu kombai specially protected block.	1897 ..	181					
	Karuvattuparai specially protected block.	1883 ..	837	837	..	837	10	
	Shevaroys West Working Circle. Atur ghat coupes 1—5 ..	1900 ..	1,106	3,431	1,200	2,231	68	
	Kanjeri specially protected block.	1882 ..	1,929					
	Sanyasimalai plantation ..	1904 ..	..	480	100	380	1	
	Vanavasi working Circle coupes 1 and 2.	1904 ..	..	294	..	294	..	
	Konur coupes 1 and 2 ..	1904 ..	..	373	..	373	..	
	Suriamalai	1904 ..	..	524	..	524	..	
	Lokur Working Circle Manakondamalai coupes 1—3.	1904 ..	..	1,398	..	1,398	..	
	Pattimedu old coupe ..	1902 ..	20	20	..	20	7	
	Do. new coupe ..	1902 ..	50	50	..	50		
	Panamadal new coupe ..	1902 ..	50	50	..	50	5	
	Do. old coupe ..	1902 ..	60	60	..	60	7	
	Mannur coupe	1902 ..	101	136	..	136	9	
	Nagalur old coupe ..	1882 ..	40	60	..	60	9	

(*a*) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
	Central Circle—cont.							
South Salem—*cont.*	Harur specially protected block.	1882 ..	549	1,029	..	1,029	48	
	Mallapuram specially protected block.	1882 ..	606	606	..	606	44	
	Kouramalai old coupes ..	1898 ..	609	609	..	609	4	
	Harur Working Circle coupes 1 — 3.	..	..	..	..	..	..	
	A series	1904 ..	..	447	..	447	13	
	B ,, ...	1904 ..	..	302	..	302	28	
	C ,, ...	1904 ..	..	156	49	107	16	
	D ,, ...	1902 ..	111	323	21	302	63	
	E ,, ...	1902	82	165	..	165	28	
	Ponniar Working Circle.	1902 ..	460	480	15	465	25	
	Shevaroys North Working Circle, coupes 1—3	1902 ..	1,201	1,803	1,000	803	71	
	Kouramalai Working Circle, coupes 1—3.	1902 ..	820	1,231	..	1,231	129	
	Chitteri South-West Working Circle, coupes 1—3.	1902 ..	903	1,354	..	1,354	28	
	Chitteri North Working Circle, coupes 1—3 ..	..	..	..	..	..	..	
	A series	1904 ..	..	1,355	..	1,355	32	
	B ,, ...	1902 ..	902	1,351	..	1,351	80	
	Mukkanur	1901 ..	960	..	..	..	..	
	Total, South Salem, Special and General.	..	25,055	36,126	2,760	33,366	* 1,241	*Include Rs. 111 spent on general protection.
Trichinopoly, General	Sengattupatti	1885-86 ..	3,000	3,000	150	2,850		
Musiri range.	Manmalai	1887-88 ..	6,000	6,000	150	5,850		
	T. Kanapadi	1887-88 ..	12,000	12,000	..	12,000		
	Karuppan Kadu Thittu ..	1887-88 ..	2,000	2,000	..	2,000		
	Mélúr	1885-86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887-88 ..	10,000	10,000	..	10,000		
	Palamalai	1888-89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889-90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889-90 ..	2,560	2,560	..	2,560	† 187	† The amount paid to Malayalees on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forests safe from fire.
	Manalodai	1885-86 ..	5,000	5,000	9	4,991		
Perambalúr range.	Sholamathi	1885-86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889-90 ..	1,600	1,600	..	1,600		
	Puliyur	1890-91 ..	10,000	10,000	..	10,000		
	Sengathur	1890-91 ..	10,000	10,000	..	10,000		
	Valaiyur	1900-1901.	1,655	1,655	..	1,655		
	Arasadi Arivittu ..	1900-1901.	3,541	3,541	.	3,541		
	Pulambadi No. I	1900-1901.	2,494	2,494	5	2,489		
	Total, Trichinopoly, General.	..	90,350	90,350	314	90,036	187	
	Total, Central Circle, Special.	..	755,636	731,214	32,122	699,092	5,707	
	Total, Central Circle, General.	.	836,250	832,456	161,469	670,987	6,666	
	Grand Total, Central Circle, Special and General.	..	1,591,886	1,563,670	193,591	1,370,079	12,373	
	Special Protection.							
South Canara. Coodapoor range.	Sarpanamane	1886-87 ..	771	796	7	789	45	
	Savantagudde	1896-97 ..						
	Honnukodlu	1894-95 ..	584	584	..	584	33	
	Herur	1893-94 ..	2,824	2,862	23	2,839	96	
	Talabmane	1895-96 ..	611	611	..	611	34	
	Chittur	1895-96 ..	2,234	2,234	11	2,223	35	
	Kadike	1895-96 ..	2,732	2,735	24	2,711	34	
	Karnigadde	1895-96 ..	1,161	1,161	..	1,161	36	
	Total, Coondapoor range.		10,917	10,983	65	10,918	313	

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
South Canara (Special)—*cont.*	*Southern Circle*—cont.							
Udipi range.	Chinkramale	1885–86 ..	2,515	2,560	474	2,086	44	
	Tenkahola ..	1886–87 ..	2,039	2,039	..	2,039	27	
	Mavinakodlu	1895–96 ..	1,627	1,627	25	1,602	30	
	Huvakladi timber coupe 1.	..	1,280	1,280	..	1,280	54	
	Jatkatmale	1897–98 ..	1,366	1,386	45	1,341	25	
	Durgamale	..	1,562	1,601	24	1.577	33	
	Total, Udipi range ..	..	10,389	10,493	568	9,925	213	
Mangalore range.	Munjimale	1894–95 ..	3,140	3,200	62	3,138	25	
	Todar	1889–90 ..	420	458	4	454	29	
	Hosabettu	..	374	376	5	371	30	
	Naninjemale	1897–98 ..	1,425	1,459	49	1,410	31	
	Panamberi	1902–1903.	570	640	69	571	21	
	Huralse	1903–1904.	..	555	50	505	20	
	Kodiamale	..	..	1,169	46	1,123	45	
	Total, Mangalore range ..	..	5,929	7,857	285	7,572	201	
Uppinangadi range.	Dharmastala	1887–88 ..	3,334	4,998	..	4,998	68	
	Porkala	1902–1903.	4,461	4,558	5	4,553	5	
	Mujur	1901–1902.	10,026	10,106	10	10,096	103	
	Miyar	..	16,535	17,533	..	17,533	22	
	Kombar	..	9,367	9,396	3	9,393	40	
	Kidu	..	6,386	6,414	15	6,399	40	
	Konaje	..	6,574	6,632	..	6,632	56	
	Padnur	1902–1903.	3,055	3,157	450	2,707	33	
	Kunthur	..	3,944	3,945	91	3,854	34	
	Nerankimale	..	3,960	3,960	23	3,937	27	
	Nidle	..	3,269	..	..	..	..	
	Shibagi	..	956	3,456	..	3,456	23	
	Kadimbila	..	462	1,848	..	1,848	9	
	Total, Uppinangadi range.	..	72,329	76,003	597	75,406	460	
Puttur range.	Parappa	1896–97 ..	2,460	2,560	150	2,410	72	
	Kanakamajlu	1899–1900.	2,154	2,249	72	2,177	63	
	Pumale	1897–98 ..	3,840	3,840	125	3,715	67	
	Jalsur felled area	1900–1901.	5,120	5,120	..	5,120	22	
	Total, Puttur range ..	..	13,574	13,769	347	13,422	224	
	Total (Special) ..	..	113,138	119,105	1,862	117,243	1,411	
General—								
Coondapoor range.	Sabladi	1884–85 ..	208	208	..	208	6	
	Kasankatte	1893–94 ..	262	262	..	262	15	
	Harkar	..	858	858	..	858	18	
	Darligudde	..	168	168	..	168	8	
	Mudaregudde	1893–94 ..	356	356	4	352	14	
	Abbigudde	1897–98 ..	1,434	1,434	..	1,434	35	
	Baindur	..	5,795	5,795	71	5,724	6	
	Total, Coondapoor range ..	..	9,081	9,081	75	9,006	102	
Udipi range.	Pilarkan	1883–84 ..	320	320	4	316	2	
	Manaje	1886–87 ..	423	423	..	423	9	
	Jarvattu	1894–95 ..	418	418	..	418	6	
	Hale Someshwar	1895–96 ..	1,885	1,895	53	1,842	10	
	Mensinkan	1896–97 ..	1,005	1,008	11	997	6	
	Matkalgudde	1897–98 ..	251	251	..	251	4	
	Total, Udipi range ..		4,302	4,315	68	4,247	37	
Uppinangadi.	Shiradi extension ..	1902–1903.	883	883	..	883	4	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903-1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
South Canara (Special)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Puttur range.	Virakhamba	1897-98 ..	1,683	1,683	40	1,643	..	
	Kalanjimali	1898-99 ..	3,049	3,049	80	2,969	20	
	Kilarmate plantation ..	1901-1902.	100	100	..	100	4	
	Muliyar	1903-1904.	..	2,116	11	2,105	57	
	Total ..	..	4,832	6,948	131	6,817	81	
	Total (General) ..	..	19,098	21,227	274	20,953	224	
	Total (Special) ..	..	113,138	119,105	1,862	117,243	1,411	
	Total, South Canara (Special and General).	..	132,236	140,332	2,136	138,196	1,635	
	Add last year's charges paid this year	..	..	..	..	..	89	
						Total ..	1,724	
	Deduct—Cash recovery and payments made in July 1904 included in the statement ..						17	
							1,707	
North Malabar (Special)—	Begar	1882-83 ..	7,075	15,366	76	15,290		
	Chédleth	1887-88 ..	9,000	57,307	6,000	51,307		
	Kanoth	1894-95 ..	300	330	..	330		
	Total (Special) ..	..	16,375	73,003	6,076	66,927		
North Malabar (General)—	Begar	1882-83 ..	7,773	..	..	..	(b) + 6,957	
	Perra	1894-95 ..	6,400	6,400	..	6,400		
	Total (General) ..	..	14,173	6,400	..	6,400		
	Total, North Malabar (Special and General).	..	30,548	79,403	6,076	73,327		
South Malabar (Special)— Nilambúr range.	Amarampalem	1860-61 ..	468	468	..	468	58	
	Chathanborai	1872-73 ..	624	624	..	624	91	
	Teak plantations	1842-43 ..	3,516	3,516	..	3,516	507	
	Edakode natural forests ..	1898-99 ..	400	400	..	400	25	
	Arimbrakuthmala ..	1899-1900.	322	322	..	322	44	
	Total, Nilambúr range.	..	5,330	5,330	..	5,330	725	
Amarampalam range.	Karimpoya	1884-85 ..	3,955	3,955	..	3,955	318	
	Nellikutta	1883-84 ..	1,824	1,824	..	1,824	183	
	New Amarampalam ..	1889-90 ..	75,000	75,000	..	75,000	220	
	Kariem Mariem forests ..	1901-1902.	2,716	2,716	..	2,716	193	
	Total, Amarampalam range.	..	83,495	83,495	..	83,495	914	
Palghat range.	Chenat Nair	1884-85 ..	15,203	15,203	(a) 640	14,563	385	
	Tamparatti pottai ..	1891-92 ..	124	124	..	124	15	
	Dhoni	1898-99 ..	45	45	..	45	15	
	Pulliampalli tope	1900-1901.	20	20	..	20	5	
	Total, Palghat range ..	..	15 392	15,392	640	14,752	420	
	Total, South Malabar (Special).	..	104,217	104,217	640	103,577	2,059 (b) — 32	
The Nilgiris. (Special)—	Mudumalai teak plantation.	1883 ..	25	25	..	25		
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179	864	
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Margadi block	1883 ..	2,631	2,781	..	2,781		
	Marigudi blocks Nos. IV and V.	1898 ..	2,686	2,686	..	2,686		
	Moyar reserve forest (east)	1886 ..	3,990	4,000	80	3,920		
	Northern Hay sandalwood plantation.	1883 ..	22	22	..	22	892	
	Sandalwood tracts in Sigur reserve forest.	1899 ..	1,240	600	..	600		

(a) The damage done is confined to grass only. (b) Added or deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris—*cont.*	Moyar west Kallmalai blocks.	1904 ..	..	8,976	600	8,376	892	
	Chemmanguli	1883 ..	25	25	..	25		
	Aranakal	1883 ..	9	9	..	9		
	Governor's Shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi	1883 ..	17	17	..	17		
	Upatti	1883 ..	12	12	..	12		
	Sheffield	1883 ..	25	25	..	25		
	Culli	1883 ..	17	17	..	17	298	
	Chowghat Culli	1883 ..	26	26	..	26		
	Madanah	1883 ..	8	8	..	8		
	Baikie	..	50	50	..	50		
	Arambi	..	430	430	..	430		
	Marlimund	..	11	11	..	11		
	Cairn Hill	..	405	405	..	405		
	Muttunad	1898 ..	80	80	..	80		
	Kullar reserved forest ..	1883 ..	919	919	..	919		
	Burliyar	1883 ..	178	178	..	178		
	Ghaut reserve	1883 ..	247	247	..	247		
	Coonoor peak	1883 ..	259	259	..	259		
	Bandishola	1883 ..	111	111	..	111		
	Sim's Park, block No. I.	1883 ..	48	48	..	48		
	Blackbridge	1883 ..	40	40	..	40		
	Little Rallia	1883 ..	10	10	..	10		
	Newman reserved forest ..	1883 ..	35	35	..	35	425	
	Rallia ,, ,,	1883 ..	60	60	..	60		
	Longwood addition ,,	1883 ..	350	350	..	350		
	Kunjapani sandalwood area.	1898 ..	640	640	..	640		
	Bleakhouse	1899 ..	57	57	..	57		
	Springfield	1899 ..	30	30	..	30		
	Sim's Park, No. II ..	1899 ..	36	36	..	36		
	Total, the Nilgiris (Special).	..	15,028	23,524	680	22,844	2,479	
	General.							
	Ulnad	1883 ..	839	839	..	839		
	Mukurty	1888 ..	1,324	1,324	..	1,324		
	Kurumand	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbettu	1886 ..	1,668	1,668	..	1,668		
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Vellingiri	1886 ..	391	391	..	391		
	Karpakan	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yemmakal	1886 ..	465	465	..	465		
	Hiriashigai	1887 ..	3,026	3,026	..	3,026		
	Thaishola	1885 ..	1,551	1,551	..	1,551		
	Muthanad	1883 ..	340	340	..	340		
	Bikkapathi	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri peak	..	5,962	5,962	..	5,962		
	Chinna Coonoor	1894 ..	14	14	..	14	607	
	Kengal	..	14	14	..	14		
	Kodanad	1895 ..	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kajuchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathrishola	1884 ..	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keriyada	..	276	276	..	276		
	Kengdu	..	451	451	..	451		
	Brooklands	..	177	177	..	177		
	Lovedale (East)	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Blackbridge	1883 ..	350	350	..	350		
	Devashola, north and south.	1883 ..	211	211	..	211		
	Jaskal south plantation ..	1902 ..	5	5	..	5		
	Total, General ..	..	74,181	74,181	..	74,181	607	
	Total, the Nilgiris (Special and General).	..	89,209	97,705	680	97,025	3,086	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903-1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
	Southern Circle—cont.							
Coimbatore, district, North.	Hassanur sandalwood compartment—Satyamangalam range.	1895-96 ..	2,140	2,140	6	2,134	117	
	Minchiguli Working Circle —Minchiguli range.	1902-1903.	20,480	3,136	60	3,076	46	
	Talamalai sandalwood compartment.	1897-98 ..	589	589	..	589	54	
	Badagalli sandalwood compartment — Talamalai range.	1896-97 ..	662	685	48	637	30	
	Talamalai reserve	1901-1902.	40,210	2,140	..	2,140	..	
	Hugathur bettu block ..	1903-1904.	..	3,067	960	2,107	60	Cost included in Hassanur sandal compartment.
	Bailur sandalwood compartment — Kollegal range.	1895-96 ..	2,952	3,034	..	3,034	195	
	Udaiyárpálaiyam sandalwood compartment—Kollegal range.	1895-96 ..	1,504	1,321	..	1 321	145	
	Jadathadi sandalwood compartment—Kollegal range.	1895-96 ..	235	235	1	234	49	
	Alluvarai block ..	1903-1904.	..	4,313	..	4,313	61	
	Arepalayam and Gundila working circles.	1903-1904.	..	3,144 1,846	53 ..	3,091 1,846	32 32	
	Total, Coimbatore North, (Special).	..	68,772	25,650	1,128	24,522	821-(a) 31	
Coimbatore, South (Special protection)—Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	26,249	26,374	..	26,374	925	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,880	2,880	45	2,835	486	
Udamalpet ..	Dhali block ..	1883-84 ..	485	485	..	485	112	
Mettupálaiyam.	Singaratope Working Circle of Odanthorai block.	1891-92 ..	777	777	..	777	102	
Bolampatti.	Sholakarai. (In Bolampatti block I.)	1883-84 ..	1,106	1,157	..	1,157	1,104	
	Thenkaradu. (In Bolampatti block I.)	1883-84 ..	353	393	50	343		
	Keerapatti. (In Bolampatti block I.)	1883-84 ..	2,240	2,260	..	2,260		
	Oratti .. (In Bolampatti block I.)	1883-84 ..	1,136	1,136	320	816		
	Kuchimalai. (In Bolampatti block I.)	1883-84 ..	1,545	1,545	..	1,545		
	Noyel .. (In Bolampatti block II.)	1883-84 ..	10,920	10,920	94	10,826		
	Velliyangiri. (In Bolampatti block II.)	1883-84 ..	5,190	5,240	214	5,026		
	Varadimudi. (In Bolampatti block II.)	1883-84 ..	7,960	7,960	..	7,960		
	Kanavarai .. In Bolampatti block III and portions of blocks II and IV.	1883-84 ..	13,825	13,880	116	13,764		
	Walayar reserve	1873-74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore South, (Special protection).	..	77,683	78,024	839	77,185	2,729	
Coimbatore, South (General protection)—Tunacadavu and Pollachi.	Tunacadavu reserve No. I.	..	254,727	256,847	3,200 3,010	250,637	..	
Pollachi ..	Punachi reserve No. II.	..						
Udamalpet ..	Amravati ,, ,, III.	..						
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						

(a) Deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903–1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, South—(General protection)—*cont*								
Bolampatti.	Bolampatti ,, No. I.	..			30			
	Do. ,, ,, II.	..						
	Do. ,, ,, III.	..						
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..						
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,698	74,791	..	74,661	..	
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram reserve	..			100			
Méttupálaiyam.	Odanthurai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Méttupálaiyam.	Avanashi palmyra tope (*a*)	..	67	67	..	67	..	
	Total, General protection.	..	343,421	345,634	6,340	339,294	..	
	Total, South Coimbatore, Special and General.	..	421,104	423,658	7,179	416,479	..	
Madura (Special protection).	Amburuvi	1886–87 ..	10,771	10,771	..	10,771	110	
	Shengalvarayar	1885–86 ..	4,608	4,608	..	4,608	39	
	Pambar	1883–84 ..	3,468	4,243	550	3,693	5	
	Adukkam	1885–86 ..	2,890	3,200	..	3,200	..	
	Poombarai Vilpatti valley.	1834–85 ..	16,094	17,594	..	17,594	21	
	Karungal Dhoni Medu ..	1885–86 ..	1,914	1,964	..	1,964	..	
	Kookal	1886–87 ..	11.725	11,725	..	11,725	24	
	Kudrayar	1886–87 ..	12,535	13,235	..	13,235	15	
	Perumalmalai							
	Thogavarai Shola	1886–87..	7,066	7,386	..	7,386	81	
	Thalaiyarkadu							
	Kadamaram							
	Gundan Shola plantation.	1886–87 ..	257	257	..	257	133	
	Oliyanuthu Odai	1888–89 ..	3,702	3,802	..	3,802	..	
	Upper Palni Sholas—							
	Perumalmalai Shola ..	1902–1903.	347	347	..	347	12	
	Anagiri Shola	1902–1903.	73	73	..	73	9	
	Tiger Shola	1902–1903.	1,846	1,866	..	1,866	44	
	Glenfalls Shola	1902–1903.	36	36	..	36		
	Parappar	1902–1903.	55	55	..	55		
	Nettle	1902–1903.	13	16	..	16		
	Kalarankavikanal ..	1902–1903.	52	52	..	52		
	Gundar	1902–1903.	438	438	..	438		
	Manavarthan	1902–1903.	56	56	..	56		
	Pannitulam	1902–1903.	16	16	..	16		
	Kundukadu	1902–1903.	332	332	..	332	622	
	Gundar valley	1902–1903.	3,988	3,988	..	3,988		
	Talkadukanal	1902–1903.	268	268	..	268		
	Kuttukalpadu	1902–1903.	36	36	..	36		
	Kilavarai	1902–1903.	36	36	..	36		
	Chandanur	1902–1903.	440	440	..	440		
	Pookkadu	1902–1903.	242	242	..	242		
	Swamikanal	1902–1903.	1,508	1,548	..	1,548	61	
	Kilanavayal	1902–1903.	568	568	..	568	24	
	Alagar Hill	1882–83 ..	16,838	16,838	220	16,618	402	
	Total, Madura—(Special).	..	102,218	106,036	770	105,266	1,602 (*a*)+ 15 1,617	

(*a*) Cost of putting out fires in Sirumalai reserved forest, Kanandipatty range.

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

Taluk.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903-1904. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Tinnevelly (Special protection)—	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Srívilliputtúr.	Aiyanarkovil Working Circle.	1902 ..	4,185	4,722	540	4,182	172	
Sankaranainár kóyil.	Karupasamikoyil Working Circle.	1902 ..	6,154	6,155	..	6,155	167	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	2,049	2,288	..	2,288	64	
Tenkási ..	Kuttalam Working Circle.	1902 ..	2,605	2,644	105	2,539	23	
Ambásamudram.	Koilteri do.	1902 ..	2,656	2,013	260	1,753	249	
Ambásamudram.	Padirmalai do.	1902 ..	2,825	3,045	350	2,695	145	
Nánguneri ..	Kalakad do.	1902 ..	2,873	2,918	..	2,918	171	
Nánguneri ..	Tirukarungudi do.	1902 ..	2,535	2,538	..	2,538	146	
	Total (Special) ..	..	25,882	26,323	1,255	25,068	1,137 +(a) 153	
General.								
Srívilliputtúr.	Ghaut forests V and V (a).	1902 ..	33,090	38,783	120	38,663	126	
Sankaranayinárkóyil.	Do. IV and IV(a).	1902 ..	19,457	20,379	2,557	17,822	34	
Tenkási ..	Ghaut forests III, III (a) (b), (c) (c_2), (d), and extension Nos. 1 to 3 to Kuttalam reserve.	1902 ..	18,480	21,502	2,293	19,209	105	
Ambásamudram.	Ghaut forests II, II (a) and II (b).	1902 ..	77,249	104,740	1,860	102,880	103	
Nánguneri ..	Ghaut forests I (a) teak tract Mahendragiri and Vannamutty.	1902 ..	40,826	45,981	3,750	42,231	311	
	Total, General ..	..	189,102	231,385	10,580	220,805	679	
	Total, Tinnevelly, Special and General.	..	214,984	257,708	11,835	245,873	1,816 +(a) 153	
	Total, Southern Circle— (Special)	..	523,313	555,882	13,250	542,632	19,425	
	(General)	..	639,975	678,827	17,194	661,633	1,510	
	Total, Southern Circle, Special and General.	..	1,163,288	1,234,709	30,444	1,204,265	20,935	
	Total, Presidency— (Special)	..	1,463,058	1,519,409	129,277	1,390,132	32,062	
	(Genaral)	..	1,860,844	2,091,168	214,923	1,876,245	12,268	
	Grand Total, Presidency.	..	3,323,902	3,610,577	344,200	3,266,377	44,330	

(a) Added as per Accountant-General's audited figures.

Annual Form No. 52.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1903–1904.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	12	..	..	..	598	..	538 60
Vizagapatam	5	..	..	..	298 47	..	298 47
Gódávari	10 76	..	383	..	565 76	4 ..	952 76
Kistna	198	12	10	..	766 6	194 13	982 19
Kurnool	105	7	..	..	2,456 175	.. 11	2,463 186
Bellary	74	52	..	..	555	81	573 115
Anantapur	33	..	..	..	510	..	510
Total, Northern Circle ..	513	71	393	..	6,052	303	6,316 503
Central Circle.							
Cuddapah	11	..	..	..	2,202	158	2,213 147
Nellore	38	2	80	2	574	82 7	740 7
Chingleput	45	..	..	..	213	* 1	214
North Arcot	173	27	..	..	1,228	35	1,290
South „	14	..	..	..	663	..	663
North Salem	41	28	..	..	838	57	832 91
South „	45	..	..	..	726	7	728 5
Trichinopoly	23	..	..	..	301 14	..	301 14
Tanjore	2	..	..	..	20	..	20
Total, Central Circle ..	392	57	80	2	6,779	347	7,001 264
Southern Circle.							
South Canara	16 1	..	..	..	662 408	..	662 408
North Malabar	29	..	..	..	231 25	..	231 25
South „	260	24	..	..	260	..	218 66
The Nilgiris	6 10	..	..	..	408 91	..	408 91
North Coimbatore	89	.	..	14	1,634	..	1,378 270
South „	27	..	..	..	662	..	662
Madura	169	1	..	..	560	49 9	610 9
Tinnevelly	244	38	..	..	399	..	437
Total, Southern Circle ..	791	63	..	14	5,340	58	4,606 869
Grand Total, Presidency ..	1,696	191	473	16	18,171	708	19,559
Do. 1902–1903 .	1,867	50	3,145	..	15,355	955	19,455

* Half a square mile only, but put as 1 to round off fraction.

N.B.—The totals of columns 3, 4, 5, 6 and 7 equal column 8. The figure in column 6 includes the figures in column 2. Of the figures in brackets the upper one denotes the area of Reserved forests and the lower one the area of reserved lands.

FORM No. 53.

RETURN of Grazing in the State Forests of the Madras Presidency during 1903–1904.

FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	10,147	43,303	574	..	11,978
Vizagapatam	(a) 73	(a) 2,807	(a) 2,556	..	1,058	1,147	18,118	1,178	..	3,938
Gódávari	(b) 9,390 (d) 911	(b) 20,706 (d) 517	(b) (c) 1,525 (e) 7,264	..	13,759	5,309	19,808	(c) 180 9,728	..	6,634
Kistna	(h) 79 (i) 5 (j) 3,709 (k) 1,790	(l) 18 (m) 124 (n) 1,266 (n) 2,579 (o) 28,149 (p) 20,384 (q) 7,152	(n) (c) 489 (o) (c) 9,710 (q) (c) 43 (r) (c) 3,935 (p) 235 (r) 49,621	..	46,938	22,377	53,869	(c) 52,818 138,148	25	36,400
Kurnool	(a) 8,275	(a) 68,140	(a) 43,254	..	26,579	4,351	41,534	(c) 2,001 76,980	..	16,824
Bellary	(a) 400	(a) 1,072	(a) 2,130	..	734	12,966	52,117	224,939	26	35,727
Anantapur	..	..	..	..	..	2,509	47,146	81,077	1	17,382
Total, Northern Circle ..	24,632	152,914	(c) 15,702 105,060	..	89,068	58,806	275,895	(c) 54,999 532,624	52	1,28,883
Central Circle.										
Cuddapah	..	..	(o) (c) 9,589	..	4,794	5,259	105,297	129,530	..	33,859
Nellore	..	..	(q) (c) 22,755	..	5,689	12,814	91,518	138,660	..	34,964
Chingleput	..	..	(q) (c) 60	..	15	3,578	36,013	44,850	..	12,299
North Arcot	..	..	..	..	..	2,820	115,005	100,486	..	32,042
South Arcot	(x) 12	(y) 26,165 (x) 1,631	(x) 882	..	7,066	4,948	118,807	128,294	..	(z) 36,264
North Salem	(bb) 2,258	80,592	(c) 4,226 17,953	1	25,634	525	38,565	6,358	..	8,024
South Salem	..	(cc) 2,769	(c) 939 40	..	1,167	1,913	109,615	34,880	..	(dd) 24,540
Trichinopoly	..	..	..	..	..	856	29,957	101,560	..	15,797
Tanjore	..	..	..	..	..	390	2,391	4,115	6	981
Total, Central Circle ..	2,270	111,157	(c) 37,569 18,875	1	44,365	33,103	647,168	688,733	6	1,98,670
Southern Circle.										
South Canara	..	..	..	..	..	2,840	18,927	..	..	(ee) 4,614
North Malabar	..	..	..	..	..	3,382	7,016	..	..	(ff) 2,583
South Malabar	..	..	..	..	..	..	56	27	..	(gg) 13
The Nilgiris (hh)	..	..	..	..	..	11,559	20,875	631	85	8,682
North Coimbatore	(a) 8,826	(a) 157,654	(a) 20,835	..	46,431	262	5,524	3,920	..	1,501
South Coimbatore	..	..	..	..	..	640	46,354	10,109	12	9,939
Madura	(ii) 257	44,153	(c) 41,556 20,957	339	24,260	..	..	..	..	..
Tinnevelly	..	..	..	..	..	716	20,711	24,812	..	(kk) 6,478
Total, Southern Circle ..	9,083	201,807	(c) 41,556 41,792	339	70,691	19,399	119,463	39,499	97	33,810
Grand Total, Reserved Forests, Presidency ..	35,985	465,878	(c) 94,827 165,727	340	2,04,124	111,308	1,042,526	(c) 52,998 1,262,857	155	3,61,363

Full rates mean As. 6 per buffaloe; As. 3 per cow or bull and As. 1-6 per sheep or goat.

(a) As. 8 per buffaloe; As. 4 per cow; and As. 2 per sheep.
(b) As. 8 per buffaloe; As. 4 per cow; and As. 3 per goat.
(c) Goat.
(d) As. 12 per buffaloe and As. 6 per cow.
(e) As. 6 per sheep.
(f) As. 2 per buffaloe and Anna 1 per cow.
(g) Anna 1 per cow or buffaloe.
(h) Re. 1-8-0 per buffaloe.
(i) Re. 1 per buffaloe.
(j) As. 12 per buffaloe.
(k) As. 8 per buffaloe.
(l) At Rs. 3 per cow.
(m) At Rs. 2 per cow.
(n) At Re. 1 per head.
(o) At As. 8 per head.
(p) At As. 6 per head.
(q) At As. 4 per head.
(r) At As. 3 per sheep or goat.
(s) At As. 1-6 per cow and 9 pies per goat or sheep.
(t) At Anna 1 per cow and 6 pies per goat or sheep.
(u) At $4\frac{1}{2}$ pies per goat or sheep.
(v) Excludes Rs. 4,741 realized as Kancha rents and Rs. 86 under miscellaneous grazing.
(w) Cattle of Malayalis allowed free.
(x) Penal rates of As. 8 a buffaloe; As. 4 a cow; and As. 2 per sheep on account of fire.
(y) At As. 4 per cow (foreign cattle).
(z) Includes Rs 5-8-0 being fees for change of reserve for 88 cows at Anna 1 per cow.

No. 53.

Madras Presidency during 1903-1904.

section 16 of the Forest Act.

At privileged rates.						Grazing free. Number of animals. By right under settlement.					During pleasure of Government or otherwise than under settlement.						Grand total of value at full and enhanced rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,978
..	..	..	..	..	..	..	200	..	..	38	..	130	..	..	24	62	5,058
(f)3,017	(f)16,638	..	..	1,417	4,876	} ..											
(g) 432	(g)10,563	..	..	687	2,143		..	..	..	..	46	800	..	..	167	167	27,579
..	..	..	..	..	..	..	..	..	..	..	1,305	1,299	(c) 906 855	..	898	898	84,236
..	..	..	..	..	..	..	2,485	5,505	..	982	..	..	..	..	..	982	44,385
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	36,461
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,382
3,449	27,201	..	..	2,104	7,019	..	2,685	5,505	..	1,020	1,351	2,229	1,761	..	1,089	2,109	2,27,079
..	(s) 120 (t) 165	(s) 305 (t) 350 (u) 90	..	49	123	..	1,900	..	..	356	..	..	..	..	..	356	39,132
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(v) 40,653
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,314
..	..	..	..	..	..	..	..	..	..	..	(w)1,616	13,635	222	..	3,183	3,183	35,225
(aa) 222	(aa) 532	(aa) 4	..	92	183	..	..	..	..	..	(w) 328	2,925	5	..	672	672	44,085
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	33,658
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25,707
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,797
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	981
222	817	749	..	141	306	..	1,900	..	..	356	1,944	16,560	227	..	3,855	4,211	2,47,552
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,614
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,583
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
..	1,665	..	..	26	312	..	..	..	..	..	..	..	..	..	..	..	8,994
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47,932
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,939
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,260
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,478
..	1,665	..	..	26	312	..	..	..	..	..	..	..	..	..	..	..	1,04,813
3,671	29,683	749	..	2,271	7,637	..	4,585	5,505	..	1,376	3,295	18,789	1,988	..	4,944	6,320	5,79,444

(*aa*) Cattle of Tenmalai Malayalis usually allowed free grazing, but charged one-third and two-thirds rates as a penalty for fires.

(*bb*) The enhanced rate of As. 8 a goat or buffaloe; As. 4 for cows and bulls; and As. 2 per sheep was levied in the Dharmapuri and Hosur ranges. An amount of Rs. 276 was also realized as penning fees and Rs. 23 by sale of grass.

(*cc*) As. 4 per cow; As. 2 per sheep; and As. 8 per goat.

(*dd*) Excludes Rs 60 realized from the grazing lease of Karavattuparai reserve and Rs. 6 being penning fees.

(*ee*) Excludes Rs. 198 realized on account of grazing ground-rent. (*ff*) Excludes Rs. 210 realized from grazing contract for two years.

(*gg*) ,, Rs. 50 realized by the sale of the right of collecting fodder grass to a contractor.

(*hh*) The privileged rates are daily rates of As. 3 per 100 per diem for cattle of Mysore nomadic tribes; Re. 1 for foreign buffaloes; As. 8 for foreign cows; and As. 4 for foreign sheep.

(*ii*) As. 8 per buffaloe; As. 4 per cow, bull, horse, or ass; As. 2 per sheep, and As. 4 per goat.

(*kk*) Excludes Rs. 15 being fees collected for penning cattle.

FORM

Return of Grazing in the State forests of the

(b) *Reserved lands notified under*

Districts.	Grazing on payment. Number of animals. At enhanced or special rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					RS.					RS.
Un-reserved lands— Gódávari	(a) 564	1,782	..	..	728	6,073	12,336	232	..	4,612
Reserved lands— Bellary	..	..	..	..	..	139	1,106	..	..	256
Total, Northern Circle ..	564	1,782	..	..	728	6,203	13,442	232	..	4,868
Southern Circle.										
Reserved lands— South Canara	..	..	..	..	..	103	2,186	..	..	449
The Nilgiris	..	(b) 96	..	..	48	..	..	..	..	..
North Coimbatore	* 949	27,466	768	..	7,437	..	..	..	..	..
Total, Southern Circle ..	949	27,562	768	..	7,485	103	2,186	..	..	449
Total, Reserved and Unreserved Lands, Presidency ..	1,513	29,344	768	..	8,213	6,306	15,628	232	..	5,317

Reserved and

Districts.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.										
Reserved forest	24,632	152,914	† 15,702 105,060	..	89,068	58,806	275,895	† 54,999 532,624	52	1,28,883
Reserved land	..	..	..	..	..	130	1,106	..	..	256
Unreserved land	564	1,782	..	..	728	6,073	12,336	232	..	4,612
Total, Northern Circle ..	25,196	154,696	† 15,702 105,060	..	89,796	65,009	289,337	† 54,999 532,856	52	1,33,751
Central Circle.										
Reserved forest	2,270	111,157	† 37,569 18,875	1	41,365	33,103	647,168	688,733	6	1,98,670
Southern Circle.										
Reserved forest	9,083	201,807	† 41,556 41,792	339	70,691	19,399	119,463	39,499	97	33,810
Reserved lands	949	27,562	768	..	7,485	103	2,186	..	..	449
Total, Southern Circle ..	10,032	229,369	† 41,556 42,560	339	78,176	12,502	121,649	39,499	97	34,259
Grand Total, Presidency ..	37,498	495,222	† 94,827 166,495	340	2,12,334	117,614	1,058,154	† 54,999 1,261,088	155	3,66,680

* Eight annas per buffaloe; 4 annas per cow; and 2 annas per sheep. † Goats.

(a) The enhanced rates are 8 annas per buffaloe and 4 annas per sheep. A sum of Rs. 848 was besides realized by the sale of pasture lands.

(b) Eight annas per foreign cow.

Note.—In several districts the Collectors have not reported the figures separately for each class of forests and in these cases the total number of animals licensed is shown under Reserved Forests.

No. 53—*cont.*

Madras Presidency during 1903–1904—*cont.*

section 4 of the Forest Act and unreserved lands, &c.

At privileged rates.						Grazing free. Number of animals. By right under settlement.					Grazing free. Number of animals. During pleasure of Government or otherwise than under settlement						Grand total of value at full and enhanced rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Unreserved Lands.																	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,340
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,596
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	449
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	879
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,437
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	8,765
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	14,361
3,449	27,201	..	..	2,104	7,019	..	2,685	5,505	..	1,020	1,351	2,229	1,761	..	1,089	2,109	2,27,079
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,340
3,449	27,201	..	..	2,104	7,019	..	2,685	5,505	..	1,020	1,351	2,229	1,761	..	1,089	2,109	2,32,675
222	817	749	..	141	306	..	1,900	..	.	356	1,944	16,560	227	..	3,855	4,211	2,47,552
..	1,665	..	..	26	312	..	..	..	..	..	..	..	..	..	..	..	1,04,813
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	8,765
..	1,665	..	..	26	312	2,217	..	..	..	831	..	..	..	..	..	831	1,13,578
3,671	29,683	749	..	2,271	7,637	2,217	4,585	5,505	..	2,207	3,295	18,789	1,988	..	4,944	7,151	5,93,805

ABSTRACT of animals licensed to graze on payment.

—	Buffaloes.	Cows and bullocks.	Sheep.	Goats.	Other animals.
Northern Circle	93,654	4,71,234	6,37,916	70,701	52
Central Circle	35,595	7,59,142	7,08,357	37,569	7
Southern Circle	29,534	3,52,683	82,059	41,556	436
Total ..	158,783	1,583,059	1,428,332	149,826	495

Annual Form No. 54.

Forest Department, Madras Presidency.

Area of Plantations, Cultural Operations and Topes, 1903–1904.

District.		Number of plantations and topes.	Area in acres. On 1st July 1903.	Area in acres. Added during the year.	Area in acres. Excluded during the year.	Area in acres. Area on 30th June 1904.	Receipts. Of the year.	Charges. Of the year.
1		2	3	4	5	6	7	8
							RS.	RS.
	A. Regular Plantations.							
Northern Circle.	Ganjám	1	348	..	..	348	1,648	179
	Gódávari	3	1,099	..	..	1,099	4,742	4,756
	Kistna	18	2,007	85	51	2,041	3,497	2,661
	Total, Northern Circle	22	3,454	85	51	3,488	9,887	7,596
Central Circle.	Cuddapah	8	2,100	..	..	2,100	244	483
	Nellore	13	6,654	..	92	6,562	36,332	12,505 * — 5,008
	Chingleput	..	222	..	..	222	1,476	266 * + 225
	North Arcot	7	1,175	..	..	1,175	6,957	751
	South do.	11	5,171	..	..	5,171	8,053	1,651
	South Salem	2	6	..	..	6	..	18
	Tanjore	4	539	..	..	539	1,904	2,106
	Total, Central Circle	45	15,867	..	92	15,775	54,966	12,997
Southern Circle.	South Canara	2	122	..	..	122	2,331	170 * + 5
	North Malabar	..	482	30	..	512	..	2,391 * + 351
	South do.	24	5,162	116	..	5,278	15,467	6,739
	The Nilgiris	22	1,645	..	..	1,645	11,725	8,611 * — 8,611
	South Coimbatore	8	30	..	..	30	..	..
	Madura	5	275	..	..	275	..	..
	Total, Southern Circle	61	7,716	146	..	7,862	29,526	9,656
	Grand Total, Regular Plantations, Presidency.	128	27,037	231	143	27,125	94,379	30,249
	B. Cultural Operations.							
Northern Circle.	Ganjám	..	302	..	134	168	169	188
	Gódávari	..	..	384	..	384	650	546 * + 277
	Kistna	..	35	1	..	36	21	907
	Kurnool	..	..	..	..	..	..	68
	Bellary	..	153	..	..	153	..	787
	Anantápur	..	128	..	† 128	..	..	114
	Total, Northern Circle	..	618	385	262	741	840	2,887
Central Circle.	Cuddapah	..	597	..	..	597	7	219 * + 327
	Nellore	..	1,128	517	204	1,441	..	..
	Chingleput	..	38	35	..	73	..	19
	North Arcot	..	585	..	..	585	..	37
	Trichinopoly	..	30 MLS. 91	2	..	32 MLS. 91	307	19
	Tanjore	..	1,161	..	..	1,161	5,154	4
	Total, Central Circle	..	3,539 MLS. 91	554	204	3,889 MLS. 91	5,468	625
Southern Circle.	North Malabar	..	..	..	..	..	..	‡ 858
	South Malabar	..	..	22	..	22	..	457
	The Nilgiris	..	488	..	..	488	..	1,747
	South Coimbatore	..	25	25	..	50	..	335 * + 121
	Tinnevelly	..	5,608	..	..	5,608	6	566
	Total, Southern Circle	..	6,121	47	..	6,168	6	4,084
	Grand Total, Cultural Operations, Presidency.		10,278 MLS. 91	986	466	10,798 MLS. 91	6,314	7,596

* Added or deducted as per Accountant-General's audited figures in Form No 59.
† Total failure and so abandoned.
‡ Weeding charges.

Area of Plantations, Cultural Operations and Topes, 1903–1904—*cont.*

Circle	District.	Number of plantations and topes.	Area in acres. On 1st July 1903.	Area in acres. Added during the year.	Area in acres. Excluded during the year.	Area in acres. Area on 30th June 1904	Receipts. Of the year.	Charges. Of the year.
	1	2	3	4	5	6		8
	C. Topes.						RS.	RS.
Northern Circle.	Ganjám	7	101	..	..	101	29	..
	Vizagapatam	2	78	..	..	78	363	57 * + 36
	Kistna	14	136	..	..	136	17	186
	Kurnool	27	199	..	..	199	..	..
	Bellary	30	212	..	..	212	..	72
	Anantapur	905	2,885	..	..	2,885	905	..
	Total, Northern Circle ..	985	3,611	..	..	3,611	1,314	351
Central Circle.	Cuddapah	† 18	† 434	..	‡ 3 431	..	223	100
	Nellore	† 22	† 7,117	..	§ 7,117	..	..	..
	Chingleput	17	† 24	..	§ 24	..	..	..
	North Arcot	50	1,455	..	..	1,455	830	344
	South do.	62	434	..	..	434	22	..
	North Salem	65	918	..	..	918	554	114 * − 76
	South do.	60	667	5	..	672	651	55
	Trichinopoly	19	573	22	..	595	834	1,062 * + 5
	Total, Central Circle ..	313	11,822	27	7,575	4,074	3,114	1,604
Southern Circle.	North Malabar	..	56	..	..	56	145	26
	South do.	1	20	..	..	20	..	..
	North Coimbatore ..	3	209	..	..	209	..	* + 129
	Tinnevelly	8	44	..	..	44	..	..
	Total, Southern Circle ..	12	329	..	..	329	145	155
	Grand Total, Topes, Presidency ..	1,310	15,562	27	7,575	8,014	4,573	2,110
	Northern Circle, Regular Plantations, Cultural operations and Topes ..	..	7,683	470	313	7,840	12,041	‖ 10,834
	Central Circle, Regular Plantations, Cultural operations and Topes.	..	31,028 MLS. 91	581	7,871	23,738 MLS. 91	63,548	15,226
	Southern Circle, Regular Plantations, Cultural operations and Topes ..	..	14,166	193	..	14,359	29,677	‖ 13,895
	Grand Total, Presidency	..	52,877 MLS. 91	1,244	8,184	45,937 MLS. 91	105,266	39,955

* Added or deducted as per audited figures of the Accountant-General. † Revised figure reported by the Collector.
‡ Abandoned. § Transferred to or comprised in reserved forests.
‖ Excludes Rs. 220 and 397 being the amounts spent under direction in the Northern and Southern Circles.

Note—In the report for the Trichinopoly district it is stated that 5 acres were regularly planted with tamarind and Iluppai seedlings, but its omission in this return has not been explained by the Collector.

FORM

Forest Department,

OUTTURN (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Ganjám.							
Reserved forests—							
Sál	858	66,582	..	..	67,440	..	..
Miscellaneous	8,050	85,930	1,680	..	95,660	..	..
Total ..	8,908	152,512	1,680	..	163,100	24,078	368,481
Reserved lands	..	..	..	..	..	..	..
Unreserved lands—							
Sál	8,097	26,963	..	..	35,060	..	..
Miscellaneous	691	110,251	280	..	111,222	..	..
Total ..	8,788	137,214	280	..	146,282	..	86,392
Total Ganjám ..	17,696	289,726	1,960	..	309,382	24,078	454,873
Vizagapatam.							
Reserved forests—							
Miscellaneous	215	41,427	1,460	..	43,102	206,257	143,191
Unreserved lands—							
Miscellaneous	..	19,900	..	..	19,900	..	13,702
Total Vizagapatam ..	215	61,327	1,460	..	63,002	206,257	156,893
Gódávari.							
Reserved forests—							
Teak	5,815	194	..	..	6,009	..	..
Vengai (*Pterocarpus marsupium*)	..	750	..	..	750	..	..
Ironwood (*Xylia dolabriformis*)	..	373	..	..	373	..	..
Maddi (*Terminalia tomentosa*)	..	1,510	..	..	1,510	..	..
Miscellaneous	67	70,531	..	..	70,598	..	..
Total ..	5,882	73,358	..	..	79,240	348,077	443,305
Unreserved lands—							
Teak	1,450	20,450	..	..	21,900	..	19,071
Vengai (*Pterocarpus marsupium*)	..	3,172	..	..	3,172	..	5,274
Ironwood (*Xylia dolabriformis*)	..	..	..	..	..	..	..
Maddi (*Terminalia tomentosa*)	..	5,056	..	..	5,056	..	3,213
Miscellaneous	288	231,595	1,893	..	233,776	39,170	347,387
Total ..	1,738	260,273	1,893	..	263,904	39,170	374,945
Total Gódávari ..	7,626	333,631	1,893	..	343,144	387,247	818,250
Kistna.							
Reserved forests—							
Miscellaneous	1,998	94,880	18,883	..	115,761	145,457	328,514 * 552
Reserved lands—							
Miscellaneous	..	4	..	..	4	..	4,001
Unreserved lands—							
Miscellaneous	1,050	88,631	789	..	90,470	..	67,684 * 86
Total Kistna ..	3,048	183,515	19,672	..	206,235	145,457	400,837
Kurnool.							
Reserved forests—							
Vengai (*Pterocarpus marsupium*)	3,668	..	..	..	3,668	..	..
Maddi (*Terminalia tomentosa*)	28	..	..	..	28	..	..
Miscellaneous	5,341	188,044	4,280	1,311	198,976	..	..
Total ..	9,037	188,044	4,280	1,311	202,672	1,445,567	259,522

* Charcoal.

No. 55.

Madras Presidency.

in number) during the year 1903-1904, and Agency of Exploitation.

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	392,559	555,659	384,200	1,436,295	9,000	..	1,829,495
..	..	..	..	..	825	..		825
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	86,392	232,674	..	11,500	1,400	..	12,900
..	..	478,951	788,333	384,200	1,448,620	10,400	..	1,843,220
..	..	349,448	392,550	1,370	1,215,370	14,600	..	1,231,340
..	..	13,702	33,602	..	80	..	..	80
..	..	363,150	426,152	1,370	1,215,450	14,600	..	1,231,420
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	791,382	870,622	400	3,800,742	1,400	..	3,802,542
..	..	19,071	40,971	..	..	..	..	..
..	..	5,274	8,446	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	3,213	8,269	..	..	..	..	..
..	..	386,557	620,333	..	..	..	..	..
..	..	414,115	678,019	1,350	3,901,418	..	..	3,902,768
..	..	1,205,497	1,548,641	1,750	7,702,160	1,400	..	7,705,310
} 371	..	474,894	590,655	134	408,520	..	..	408,654
..	..	4,001	4,005	..	..	..	..	..
} ..	..	67,770	158,240	..	..	..	..	..
371	..	546,665	752,900	134	408,520	..	..	408,654
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	257,510	1,962,599	2,165,271	300	5,062,142	25,250	20,489	5,108,181

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
NORTHERN CIRCLE—*cont.*							
Kurnool—cont.							
Reserved lands—Miscellaneous	..	14,451	860	..	15,311	..	42,131
Unreserved lands—Miscellaneous	..	840	..	..	840	8,942	150,753
Total, Kurnool ..	9,037	203,335	5,140	1,311	218,823	1,454,509	452,406
Bellary.							
Reserved forests—Miscellaneous	..	12,715	1,389	..	14,104	..	37,600
Reserved lands including leased forest—							
Teak	256	..	..	..	256	..	..
Miscellaneous	202	283	184	..	669	..	..
Total ..	458	283	184	..	925	286,878	20,817
Unreserved lands—Miscellaneous	..	95,448	714	..	96,162	..	209,072
Total, Bellary ..	458	* 108,446	2,287	..	111,191	286,878	† 267,489
Anantapur.							
Reserved forests—Miscellaneous	..	17,990	1,608	..	19,598	28,696	120,984
Unreserved lands—Miscellaneous	..	12,510	..	..	12,510	..	26,700
Total, Anantapur ..	..	30,500	1,608	..	32,108	28,696	147,684
CENTRAL CIRCLE.							
Cuddapah.							
Reserved forests—Miscellaneous	7,156	119,332	11,320	..	137,808	192,695	310,312
Unreserved lands—Miscellaneous	..	69,023	..	..	69,023	..	231,769
Total, Cuddapah ..	7,156	188,355	11,320	..	206,831	192,695	542,081
Nellore.							
Reserved forests—Miscellaneous	2,640	7,853	200	..	10,693	576,494	541,407
Reserved lands—Miscellaneous	..	1,790	..	..	1,790	..	578
Unreserved lands—Miscellaneous	1,661	36,790	840	..	39,291	739	19,723
Total, Nellore ..	4,301	46,433	1,040	..	51,774	577,233	561,708
Chingleput.							
Reserved forests—Miscellaneous	40	527	..	..	567	40,154	75,787
Unreserved lands—Miscellaneous	..	47,060	2,804	..	49,864	20,626	93,485
Total, Chingleput ..	40	47,587	2,804	..	50,431	60,780	169,272
North Arcot.							
Reserved forests—Sandalwood (*Santalum album*).	473	..	..	..	473	..	..
Red sanders (*Pterocarpus santalinus*)	630	..	..	..	630	..	..
Miscellaneous	970	8,356	1,472	..	10,798	..	..
Total ..	2,073	8,356	1,472	..	11,901	159,645	311,071
Unreserved lands—Miscellaneous	..	25,246	3,840	..	29,086	..	310,073
Total, North Arcot ..	2,073	33,602	5,312	..	40,987	159,645	621,144

* Includes 12 c. ft. of confiscated produce.

† Includes 1,444 c. ft. of confiscated produce.

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	42,131	57,442	..	..	..	..	..
..	..	159,695	160,535	..	..	..	..	..
..	257,510	2,164,425	2,383,248	300	5,062,142	25,250	20,489	5,108,181
2,960	..	40,560	54,664	..	21,825	..	..	21,825
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	307,695	308,620	399	68,175	5,300	..	73,874
540	..	209,612	305,774	..	..	..	..	..
3,500	..	557,867	669,058	399	90,000	5,300	..	95,699
..	..	149,680	169,278	..	22,240	..	..	22,240
..	..	26,700	39,210	..	..	..	..	..
..	..	176,380	208,488	..	22,240	..	..	22,240
..	..	503,007	640,815	..	1,622,240	49,200	..	1,671,440
..	..	231,769	300,792	..	..	..	..	..
..	..	734,776	941,607	..	1,622,240	49,200	..	1,671,440
..	..	1,117,901	1,128,594	..	10,350	..	..	10,350
..	..	578	2,368	..	..	..	..	..
..	..	20,462	59,753	..	..	..	..	..
..	..	1,138,941	1,190,715	..	10,350	..	..	10,350
..	..	115,941	116,508	..	118	..	..	118
..	..	114,111	163,975	..	2,913	..	..	2,913
..	..	230,052	280,483	..	3,031	..	..	3,031
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	470,716	482 716	504	4,270,054	87,000	..	4,357,558
..	..	310,073	339,159	..	..	..	..	..
..	..	780,789	821,776	504	4,270,054	87,000	..	4,357,558

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
CENTRAL CIRCLE—*cont.*							
South Arcot.							
Reserved forests—							
Sandalwood	7	..	..	..	7	..	..
Miscellaneous	..	5,662	..	..	5,662	..	..
Total ..	7	5,662	..	..	5,669	15,587	277,310
Unreserved lands—							
Miscellaneous	..	35,180	6,061	..	41,241	..	416,595
Total, South Arcot ..	7	40,842	6,061	..	46,910	15,587	693,905
North Salem.							
Reserved forests—							
Sandalwood	552	..	..	..	552	..	..
Miscellaneous	{ * 4,700 638	..	..	..	5,338	..	..
Total ..	5,890	..	..	..	5,890	93,722	..
Unreserved lands—							
Sandalwood	841	..	..	..	841	..	..
Miscellaneous	2,017	90,951	1,520	..	94,488	..	..
Total ..	2,858	90,951	1,520	..	95,329	27,501	460,756
Total, North Salem ..	8,748	90,951	1,520	..	101,219	121,223	460,756
South Salem.							
Reserved forest— { Vengai ..	29	..	..	..	29	..	..
{ Miscellaneous.	877	..	2,007	..	2,884	..	..
Total ..	906	..	2,007	..	2,913	244,055	28,757
Unreserved lands— { Sandalwood ..	383	..	..	..	383	..	..
{ Miscellaneous.	485	181,774	240	..	182,499	..	..
Total ..	868	181,774	240	..	182,882	28,937	181,798
Total, South Salem ..	1,774	181,774	2,247	..	185,795	273,442	210,555
Trichinopoly.							
Reserved forests—							
Miscellaneous	..	30,292	..	..	30,292	266,611 } † 45 }	310,244
Reserved lands—							
Miscellaneous	..	1,040	..	..	1,040	..	4,812
Unreserved lands—							
Miscellaneous	..	14,072	1,060	..	15,132	107,902	974,291
Total, Trichinopoly ..	‡ ..	45,404	1,060	..	46,464	374,558	1,289,347
Tanjore.							
Reserved forests—							
Miscellaneous	..	15,446	..	..	15,446	..	312,772
Unreserved lands—							
Miscellaneous	..	..	..	..	..	..	230,378
Total, Tanjore ..	..	15,446	..	..	15,446	..	543,150
SOUTHERN CIRCLE.							
South Canara.							
Reserved forests—							
Teak	788	..	..	..	788	..	..
Vengai (*Pterocarpus marsupium*)	53	25	..	..	78	..	..
Ironwood (*Xylia dolabriformis*).	45	..	..	..	45	..	..
Maddi (*Terminalia tomentosa*).	571	1,271	..	..	1,842	..	..
Rose wood (*Dalbergia latifolia*).	87	..	..	..	87	..	..
Hopea (*Kiralbhogi*)	77	600	..	..	677	..	..
Miscellaneous	3,803	8,606	..	..	12,409	..	..
Total ..	5,424	10,502	..	..	15,926	29,792	281

* For free supply to the people of Vániyambádi affected by the floods of 1903. † Charcoal.
‡ 282 cubic feet of timber received from the South Coimbatore district for disposal have not been shown here being included in the accounts of that district.

(in number) during the year 1903–1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	293,297	298,966	757	239,420	..	..	240,177
..	..	416,595	457,836	20	7,678	..	..	7,698
400	..	709,892	756,802	777	247,098	..	..	247,875
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	93,722	99,612	75,851	..	..	..	75,851
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	488,257	583,586	472	2,871,080	500	..	2,872,052
..	..	581,979	683,198	76,323	2,871,080	500	..	2,947,903
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	273,262	276,175	250	5,148,200	36,125	..	5,184,575
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	210,735	393,617	..	214.075	..	..	214,075
..	..	483,997	669,792	250	5,362,275	36,125	..	5,398,650
..	..	576,900	607,192	..	135,084	..	..	135,084
..	..	4,812	5,852	..	..	..	..	..
..	..	1,082,193	1,097,325	..	880	..	..	880
..	..	1,663,905	1,710,369	..	135,964	..	..	135,964
..	..	312,772	328,218	..	..	..	..	..
..	..	230,378	230,378	..	2,353	..	..	2,353
..	..	543,150	558,596	..	2,353	..	..	2,353
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	311,046	326,972	900	54,835	..	..	55,735

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Canara—cont.							
Reserved lands—							
Teak	122	..	..	..	122	..	..
Vengai (*Pterocarpus marsupium*)	20	..	..	..	20	..	..
Ironwood (*Xylia dolabriformis*)	553	..	..	..	553	..	..
Maddi (*Terminalia tomentosa*).	237	125	..	..	362	..	..
Rosewood (*Dalbergia latifolia*)	416	50	..	..	466	..	..
Kiralbhogi (*Hopea*)	603	500	..	..	1,103	..	..
Miscellaneous	601	575	..	..	1,176	..	..
Total ..	2,552	1,250	..	..	3,802	..	892
Unreserved lands—							
Teak	104	75	..	3,925	4,104	..	..
Vengai	..	..	..	100	100	..	..
Ironwood	308	..	25	1,550	1,883	..	..
Maddi (*Terminalia tomentosa*) ..	156	700	150	225	1,231	..	..
Rosewood (*Dalbergia latifolia*)	285	200	..	1,150	1,635	..	..
Hopea (Kiralbhogi)	619	1,800	..	40,800	43,219	..	..
Miscellaneous	1,481	101,759	175	28,050	131,465	..	..
Total ..	2,953	104,534	350	75,800	183,637	478	57,677
Total, South Canara ..	10,929	116,286	350	75,800	203,365	30,270	339,823
North Malabar.							
Reserved Forests—							
Teak	70,139	50,200	..	..	120,339	..	..
Vengai (*Pterocarpus marsupium*)	8,328	9,900	..	..	18,228	..	..
Rosewood (*Dalbergia latifolia*)	1,943	2,500	..	..	4,443	..	..
Miscellaneous	7,593	5,100	..	..	12,693	..	..
Total ..	88,003	67,700	..	..	155,703	..	2,800
Unreserved lands—							
Rosewood (*Dalbergia latifolia*	..	1,200	..	..	1,200	..	..
Miscellaneous	..	2,717	..	..	2,717	..	..
Total ..	..	3,917	..	..	3,917	..	..
Total, North Malabar ..	88,003	71,617	..	..	159,620	..	2,800
South Malabar.							
Reserved forests—							
Teak	9,549	16,269	..	..	25,818	..	..
Vengai	..	117	..	..	117	..	..
Ironwood	6,992	13,230	..	..	20,222	..	..
Maddi (*Terminalia tomentosa*).	703	29,775	..	..	30,478	..	..
Rosewood	..	376	..	..	376	..	..
Hopea (Irubhogham)	..	92	..	..	92	..	..
Miscellaneous	303	83,116	..	..	83,419	.	..
Total ..	17,547	142,975	..	..	160,522	64,367	69,456
Reserved lands—							
Teak	18,255	..	..	..	18,255	..	..
Vengai	..	..	..	..	..	..	..
Ironwood (*Xylia dolabriformis*)	30,472	20,927	66	..	51,465	..	..
Maddi (*Terminalia tomentosa*).	833	2,976	..	..	3,809	..	..
Rosewood	..	26	..	..	26	..	..
Hopea	164	35	..	..	199	..	..
Miscellaneous	16,532	25,050	136	..	41,718	..	..
Total ..	66,256	49,014	202	..	115,472	195	..

(in number) during the year 1903–1904, and Agency of Exploitation —*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	892	4,694	92	7,500	..	..	7,592
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	58,155	241,792	41	12,855	300	..	13,196
..	..	370,093	573,458	1,033	75,180	300	..	76,513
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,800	158,503	14,400	19,761	..	..	34,161
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	3,917	..	.	..	..	..
..	..	2,800	162,420	14,400	19,761	..	..	34,161
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	133,823	294,345	9,962	26,120	..	..	36,082
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	195	115,667	16,260	58,700	200	..	75,160

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos.

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Malabar—cont.							
Unreserved lands—							
Teak	9	..	..	..	9	..	..
Ironwood	23	..	..	..	23	..	..
Miscellaneous	39	..	..	..	39	..	..
Total ..	71	..	..	..	71	..	..
Total, South Malabar ..	83,874	191,989	202	..	276,065	64,562	69,456
The Nilgiris.							
Reserved forests—							
Sandalwood	270	..	..	..	270	..	..
Teak	14,568	360	..	..	14,928	..	..
Vengai	3,965	174	..	..	4,139	..	..
Maddi (*Terminalia tomentosa*)..	40	46	..	..	86	..	..
Rosewood	146	..	..	..	146	..	..
Venteak (*Lagerstrœmia microcarpa*)	1,799	..	..	..	1,799	..	..
Miscellaneous	153	1,221	27	..	1,401	..	..
Total ..	20,941	1,801	27	..	22,769	229,302	52,166
Reserved lands—							
Miscellaneous	..	573	..	210	783	..	..
Unreserved lands—							
Teak	..	150	..	..	150	..	..
Vengai	..	375	..	..	375	..	..
Miscellaneous	..	23,725	..	..	23,725	..	..
Total ..	..	24,250	..	..	24,250	..	..
Total, The Nilgiris ..	20,941	26,624	27	210	47,802	229,302	52,166
North Coimbatore.							
Reserved forests—							
Sandalwood	1,433	..	..	..	1,433	..	..
Teak	254	..	..	..	254	..	..
Vengai	3,785	..	..	..	3,785	..	..
Karumathi (*Terminalia tomentosa*)	139	..	..	..	139	..	..
Rosewood	140	..	..	..	140	..	..
Miscellaneous	854	22,401	..	..	23,255	..	..
Total ..	6,605	22,401	..	..	29,006	1,000	244,503
Unreserved lands—							
Miscellaneous	..	2,292	410	..	2,702	..	18,553
Total, North Coimbatore ..	6,605	24,693	410	..	31,708	1,000	263,056
South Coimbatore.							
Reserved forests—							
Teak	19,376	8,057	..	..	27,433	..	..
Vengai	192	845	..	..	1,037	..	..
Ironwood	1,645	..	..	..	1,645	..	..
Karumarudu (*Terminalia tomentosa*)	1,606	..	..	..	1,606	..	..
Rosewood	266	7,397	..	..	7,663	..	..
Miscellaneous	20,219	13,629	..	..	33,848	..	..
Total ..	43,304	29,928	..	..	73,232	388,582	446,060
Unreserved lands—							
Miscellaneous	1,549	1,140	150	..	2,839	9,960	11,787
Total, South Coimbatore ..	44,853	31,068	150	..	76,071	398,542	457,847

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	71	..	..	..	..	..
..	..	134,018	410,083	26,222	84,820	200	..	111,242
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,405	..	282,873	305,642	..	145,347	3,085	..	148,432
925	230	1,155	1,938	..	..	..	9,423	9,423
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	391	391	24,641	..	..	..	..	..
2,330	621	284,419	332,221	..	145,347	3,085	9,423	157,855
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	245,503	274,509	5,369	2,749,220	..	..	2,754,589
200	..	18,753	21,455	..	..	..	..	..
200	..	264,256	295,964	5,369	2,749,220	..	..	2,754,589
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	834,642	907,874	141	2,485,070	..	..	2,485,211
..	..	21,747	24,586	..	..	..	..	..
..	..	856,389	932,460	141	2,485,070	..	..	2,485,211

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Madura.							
Reserved forests—							
Miscellaneous	..	8,491	465	..	8,956	1,125,897	353,625
Unreserved lands—							
Miscellaneous	728	62,255	28	..	63,011	..	433,272
Total, Madura ..	728	70,746	493	..	71,967	1,125,897	786,897
Tinnevelly.							
Reserved forests—							
Teak	110	..	..	..	110	..	..
Hopea	1,357	..	..	..	1,357	..	..
Miscellaneous	621	42,959	350	..	43,930	..	..
Total ..	2,088	42,959	350	..	45,397	15,601	966,460
Unreserved lands—							
Miscellaneous	..	..	313	..	313	6,979	196,764
Total, Tinnevelly ..	2,088	42,959	663	..	45,710	22,580	1,163,224
Abstract.							
NORTHERN CIRCLE.							
Reserved forests—							
Sál	858	66,582	..	..	67,440	..	..
Teak (*Tectona grandis*)	5,815	194	..	..	6,009	..	..
Vengai (*Pterocarpus marsupium*)	3,668	750	..	..	4,418	..	..
Ironwood (*Xylia dolabriformis*).	..	373	..	..	373	..	..
Maddi (*Terminalia tomentosa*)..	28	1,510	..	..	1,538	..	..
Miscellaneous	15,671	511,517	29,300	1,311	557,799	..	..
Total ..	26,040	580,926	29,300	1,311	637,577	2,198,132	1,702,149
Reserved lands—							
Teak (*Tectona grandis*) ..	256	..	..	..	256	..	..
Miscellaneous	202	14,738	1,044	..	15,984	..	..
Total ..	458	14,738	1,044	..	16,240	286,878	66,949
Unreserved lands—							
Sál	8,097	26,963	..	..	35,060	..	..
Teak	1,450	20,450	..	..	21,900	..	..
Vengai	..	3,172	..	..	3,172	..	..
Maddi (*Terminalia tomentosa*)..	..	5,056	..	..	5,056	..	..
Miscellaneous	2,029	559,175	3,676	..	564,880	..	..
Total ..	11,576	614,816	3,676	..	630,068	48,112	929,334
Grand Total, Northern Circle ..	38,074	1,210,480	34,020	1,311	1,283,885	2,533,122	2,698,432
CENTRAL CIRCLE.							
Reserved forests—							
Sandalwood	1,032	..	..	..	1,032	..	..
Vengai	29	..	..	..	29	..	..
Red sanders (*Pterocarpus santalinus*)	630	..	..	..	630	..	..
Miscellaneous	17,021	187,468	14,999	..	219,488	..	..
Total ..	18,712	187,468	14,999	..	221,179	1,589,458	2,167,660
Reserved lands—							
Miscellaneous	..	2,830	..	..	2,830	..	5,390
Unreserved lands—							
Sandalwood	1,224	..	..	..	1,224	..	..
Miscellaneous	4,163	500,096	16,365	..	520,624	..	..
Total ..	5,387	500,096	16,365	..	521,848	185,705	2,918,868
Grand Total, Central Circle ..	24,099	690,394	31,364	..	745,857	1,775,163	5,091,918

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	1,479,522	1,488,478	..	151,863	..	..	151,863
2,000	..	435,272	498,283	..	..	..	..	..
2,000	..	1,914,794	1,986,761	..	151,863	..	..	151,863
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	982,061	1,027,458	17	4,000	..	..	4,017
..	..	203,743	204,056	..	860	..	..	860
..	..	1,185,804	1,231,514	17	4,860	..	..	4,877
Abstract.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,331	257,510	4,161,122	4,798,699	386,404	11,967,134	50,250	20,489	12,424,277
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	353,827	370,067	399	69,000	5,300	..	74,699
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
540	..	9,77,986	1,608,054	1,350	3,912,998	1,400	..	3,915,748
3,871	257,510	5,492,935	6,776,820	388,153	15,949,132	56,950	20,489	16,414,724
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	3,757,518	3,978,697	77,362	11,425,466	172,325	..	11,675,153
..	..	5,390	8,220	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	3,104,573	3,626,421	492	3,098,979	500	..	3,099,971
400	..	6,867,481	7,613,338	77,854	14,524,445	172,825	..	14,775,124

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
Abstract—cont.							
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests—							
Sandalwood	1,703	..	..	..	1,703	..	..
Teak (*Tectona grandis*) ..	114,784	74,886	..	..	189,670	..	..
Vengai (*Pterocarpus marsupium*)	16,323	11,061	..	..	27,384	..	..
Ironwood (*Xylia dolabriformis*).	8,682	13,230	..	..	21,912	..	..
Maddi (*Terminalia tomentosa*)..	3,059	31,092	..	..	34,151	..	..
Rosewood or blackwood (*Dalborgia latifolia* ..	2,582	10,273	..	..	12,855	..	..
Hopea (*Kiralbhoghi irubhogam*)	1,434	692	..	..	2,126	..	..
Venteak (*Lagerstroemia microcarpa*)	1,799	..	..	..	1,799	..	..
Miscellaneous	33,546	185,523	842	..	219,911	..	..
Total ..	183,912	326,757	842	..	511,511	1,854,541	2,416,324
Reserved lands—							
Teak	13.377	..	..	..	18,377	..	..
Vengai	20	..	..	..	20	..	..
Ironwood	31,025	20,927	66	..	52,018	..	..
Madi (*Terminalia tomentosa*) ..	1,070	3,101	..	..	4,171	..	..
Rosewood	416	76	..	..	492	..	..
Hopea	767	535	..	..	1,302	..	..
Miscellaneous	17,133	26,198	136	210	43,677	..	..
Total ..	68,808	50,837	202	210	120,057	195	892
Unreserved lands—							
Teak	113	225	..	3,925	4,263	..	..
Vengai	..	375	..	100	475	..	..
Ironwood	331	..	25	1,550	1,906	..	..
Maddi (*Terminalia tomentosa*)	156	700	150	225	1,231	..	..
Rosewood	285	1,400	..	1,150	2,835	..	..
Hopea	619	1,800	..	40,800	43,219	..	..
Miscellaneous	3,797	193,888	1,076	28,050	226,811	..	..
Total ..	5,301	198,388	1,251	75,800	280,740	17,417	718,053
Grand Total, Southern Circle.	258,021	575,982	2,295	76,010	912,308	1,872,153	3,135,269
NORTHERN CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sâl	8,955	93,545	..	..	102,500	..	..
Sandalwood	..	..	..	..	..	..	..
Redsanders	..	..	..	..	..	..	..
Teak	7.521	20,644	..	..	28,165	..	..
Vengai	3,668	3,922	..	..	7,590	..	..
Ironwood	..	373	..	..	373	..	..
Maddi (*Terminalia tomentosa*)	28	6,566	..	..	6,594	..	..
Rosewood	..	..	..	..	..	..	..
Hopea	..	..	..	..	..	..	..
Venteak	..	..	..	..	..	..	..
Miscellaneous	17,902	1,085,430	34,020	1,311	1,138,663	..	..
Total ..	38,074	1,210,480	34,020	1,311	1,283,885	2,533,122	2,698,432
CENTRAL CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	2,256	..	..	..	2,256	..	..
Redsanders	630	..	..	..	630	..	..
Vengai	29	..	..	..	29	..	..
Miscellaneous	21,184	690,394	31,364	..	742,942	..	..
Total ..	24,099	690,394	31,364	..	745,857	1,775,163	5,091,918

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
9	10	11	12	13	14	15	16	17
Abstract—cont.								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,405	..	4,272,270	4,783,781	30,789	5,636,206	3,085	..	5,670,080
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
925	230	2,242	122,299	16,352	66,200	200	9,423	92,175
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,200	391	738,061	1,018,801	41	13,715	300	..	14,056
4,530	621	5,012,573	5,924,881	47,182	5,716,121	3,585	9,423	5,776,311
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,871	257,510	5,492,935	6,776,820	388,153	15,949,132	56,950	20,489	16,414,724
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	6,867,481	7,613,338	77,854	14,524,445	172,825	..	14,775,124

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos (in number)

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
			Abstract—cont.				
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	1,703	..	..	..	1,703	..	..
Teak	133,274	75,111	..	3,925	212,310	..	..
Vengai	16,343	11,436	..	100	27,879	..	..
Ironwood	40,038	34,157	91	1,550	75,836	..	..
Maddi (*Terminalia tomentosa*).	4,285	34,893	150	225	39,553	..	..
Rosewood	3,283	11,749	..	1,150	16,182	..	..
Hopea	2,820	3,027	..	40,800	46,647	..	..
Venteak	1,799	..	..	..	1,799	..	..
Miscellaneous	54,476	405,609	2,054	28,260	490,399	..	..
Total ..	258,021	575,982	2,295	76,010	912,308	1,872,153	3,135,269
			Presidency.				
Reserved forests—							
Sâl	858	66,582	..	..	67,440	..	..
Sandalwood	2,735	..	..	..	2,735	..	..
Red sanders	630	..	..	..	630	..	..
Teak	120,599	75,080	..	..	195,679	..	..
Vengai	20,020	11,811	..	..	31,831	..	..
Ironwood	8,682	13,603	..	..	22,285	..	..
Terminalia tomentosa	3,087	32,602	..	..	35,689	..	..
Rosewood	2,582	10,273	..	..	12,855	..	..
Hopea	1,434	692	..	..	2,126	..	..
Venteak	1,799	..	..	..	1,799	..	..
Miscellaneous	66,238	884,508	45,141	1,311	997,198	..	..
Total, reserved forests ..	228,664	1,095,151	45,141	1,311	1,370,267	5,642,131	6,286,133
Reserved lands—							
Teak	18,633	..	..	..	18,633	..	..
Vengai	20	..	..	..	20	..	..
Ironwood	31,025	20,927	66	..	52,018	..	..
Maddi	1,070	3,101	..	..	4,171	..	..
Rosewood	416	76	..	..	492	..	..
Hopea	767	535	..	..	1,302	..	..
Miscellaneous	17,335	43,766	1,180	210	62,491	..	..
Total, reserved lands ..	69,266	68,405	1,246	210	139,127	287,073	73,231
Unreserved lands—							
Sâl	8,097	26,963	..	..	35,060	..	..
Sandalwood	1,224	..	..	..	1,224	..	..
Teak	1,563	20,675	..	3,925	26,163	..	..
Vengai	..	3,547	..	100	3,647	..	..
Ironwood	331	..	25	1,550	1,906	..	..
Maddi (*Terminalia tomentosa*).	156	5,756	150	225	6,287	..	..
Rosewood	285	1,400	..	1,150	2,835	..	..
Hopea	619	1,800	..	40,800	43,219	..	..
Miscellaneous	9,989	1,253,159	21,117	28,050	1,312,315	..	..
Total, unreserved lands ..	22,264	1,313,300	21,292	75,800	1,432,656	251,234	4,566,255
Reserved forests, reserved lands and unreserved lands—							
Shorea robusta (Sâl)	8,955	93,545	..	..	102,500	..	..
Santalum album (Sandalwood)	3,959	..	..	..	3,959	..	..
Pterocarpus santalinus (Red sanders)	630	..	..	..	630	..	..
Tectona grandis (Teak) ..	140,795	95,755	..	3,925	240,475	..	..
Pterocarpus marsupium (Vengai)	20,040	15,358	..	100	35,498	..	..
Xylia dolabriformis (Ironwood)	40,038	34,530	91	1,550	76,209	..	..
Terminalia tomentosa (Maddi, Karumarudi) ..	4,313	41,459	150	225	46,147	..	..
Dalbergia latifolia (Rosewood or blackwood) ..	3,283	11,749	..	1,150	16,182	..	..
Hopea parviflora (Irubhogham, Kiralbhogi) ..	2,820	3,027	..	40,800	46,647	..	..
Lagerstroemia microcarpa (Venteak)	1,799	..	..	..	1,799	..	..
Miscellaneous	93,562	2,181,433	67,438	29,571	2,372,004	..	..
Presidency Total ..	320,194	2,476,856	67,679	77,321	2,942,050	6,180,438	10,925,619
Presidency total, 1902-1903 ..	442,500	2,732,465	54,303	1,991	3,231,259	6,941,107	11,393,788

during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
Abstract—cont.								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
4,530	621	5,012,573	5,924,881	47,182	5,716,121	3,585	9,423	5,776,311
Abstract.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
5,136	257,510	12,190,910	13,561,177	494,555	29,028,806	225,660	20,489	29,769,510
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
925	230	361,459	500,586	16,751	135,200	5,500	9,423	166,874
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,740	391	4,820,620	6,253,276	1,883	7,025,692	2,200	..	7,029,775
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
8,801	258,131	17,372,989	20,315,039	513,189	36,189,698	233,360	29,912	36,966,159
7,750	257,899	18,600,544	21,831,803	320,286	35,323,978	134,620	22,014	35,800,898

ANNUAL FORM No. 56.

Forest Department, Madras Presidency.

OUTTURN of Minor Forest Produce during the year 1903–1904.

District.	Description of produce.	Produce removed or utilized. By Government Agency. Quantity.	By Government Agency. Value.	By purchasers. Value.	By free grants. Value.	By right-holders. Value.	Total. Value.
1	2	3	4	5	6	7	8
		MDS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.	Grass and grazing	15,308	168	2,28,027	1,219	1,020	2,30,434
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	2,746	180	51,691	..	38,650	90,521
	Horns, honey, wax, &c. ..	53	139	1,154	..	..	1,293
	Tangedu, Vembadam, &c., barks.	..	..	37,575	..	..	37,575
	Plumbago, stone, gravel, earth, &c.	..	..	9,067	..	..	9,067
	Manure leaves	..	..	705	..	..	705
	Miscellaneous	17,094	785	1,13,484	135	300	1,14,704
	Total ..	35,201	1,272	4,41,703	1,354	39,970	4,84,299
Central Circle.	Grass and grazing	3,371	83	2,64,187	4,231	* 356	2,68,857
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	5,457	3,065	5,070	189	..	8,324
	Horns, honey, wax, &c. ..	9	29	..	..	..	29
	Tangedu, Vembadam, &c., barks.	73	97	26,520	..	..	26,617
	Mica, stone, gravel, earth, &c.	..	..	29,119	..	..	29,119
	Manure leaves	..	..	2,056	..	..	2,056
	Miscellaneous	1,707	1,097	1,78,080	58	..	1,79,235
	Total ..	10,617	4,371	5,05,032	4,478	356	5,14,237
Southern Circle.	Grass and grazing	2,240	2,275	1,15,091	..	* 831	1,18,197
	Catechu	1,561	13,953	..	..	..	13,953
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	34,533	25,301	4,638	..	..	29,939
	Pepper, cardamoms, &c. ..	103	1,188	7,393	..	..	8,581
	Horns, honey, wax, &c... ..	988	6,423	706	..	..	7,129
	Tangedu, Vembadam &c., barks.	7,020	3,798	4,429	..	..	8,227
	Stones, gravel, earth, &c. ..	..	..	2,527	..	..	2,527
	Manure leaves	..	..	1,094	..	..	1,094
	Miscellaneous	12,500	711	73,796	54	2,348	76,909
	Total ..	58,945	53,649	2,09,674	54	3,179	2,66,556
Presidency total.	Grass and grazing	20,919	2,526	6,07,305	5,450	2,207	..
	Catechu	1,561	13,953	..	..	..	..
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	42,736	28,546	61,399	189	38,650	..
	Pepper, cardamoms, &c. ..	103	1,188	7,393	..	..	..
	Horns, honey, wax, &c. ..	1,050	6,591	1,860	..	..	..
	Tangedu, Vembadam, &c., barks.	7,093	3,895	68,524	..	..	..
	Plumbago, mica, stone, gravel, earth, &c.	..	..	40,713	..	..	..
	Manure leaves	..	..	† 3,855	..	..	..
	Miscellaneous	31,301	2,593	3,65,360	247	2,648	..
	Grand Total ..	104,763	59,292	11,56,409	5,886	43,505	12,65,092

* Grazing.

† Very few Collectors have given the figures separately for this produce; hence the value does not show the actual removals.

ANNUAL FORM No. 57.

Forest Department, Madras Presidency.

ACCOUNT of Timber and other produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1903–1904.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (CUBIC FEET).					
Northern Circle.					
Ganjám	17,551	17,696	35,247	21,794	13,453
Vizagapatam	2,608	215	2,823	1,318	1,505
Gódávari	2,664	7,620	10,284	6,088	4,196
Kistna	45	3,048	3,093	3,093	..
Kurnool	11,436	9,037	20,473	14,028	6,445
Bellary	96,862	458	97,320	93,442	3,878
Anantapur	..	..	..	..	..
Total	131,166	38,074	169,240	139,763	29,477
Central Circle.					
Cuddapah	1,296	7,156	8,452	7,680 † 160	612
Nellore	..	4,301	4,301	3,209	1,092
Chingleput	..	40	40	40	..
North Arcot	* 2,023	2,073	4,096	3,460 ‡ 581 † 11	44
South do.	456	7	463	315 ‡ 20	128
North Salem	1,361	8,748	10,109	3,876	6,233
South do.	815	1,774	2,589	1,579	1,010
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total	5,951	24,099	30,050	20,931	9,119
Southern Circle.					
South Canara	65,284	10,929	76,213	12,007 † 571 ‡ 560	63,075
Malabar (North)	213,768	88,003	301,771	148,643	153,128
Do. (South)	22,276	83,874	106,150	77,039	29,111
The Nilgiris	20,952	20,941	41,893	32,873	9,020
Coimbatore (North)	18,959	6,605	25,564	22,198	3,366
Do. (South)	120,399	44,853	165,252	51,267 § 8,050	105,935
Madura	577	728	1,305	1,265	40
Tinnevelly	730	2,088	2,818	2,271	547
Total	462,945	258,021	720,966	356,744	364,222
Grand Total	600,062	320,194	920,256	517,438	402,818
FUEL (CUBIC FEET).					
Northern Circle.					
Ganjám	3,020	24,078	27,098	16,198	10,900
Vizagapatam	* 14,620	206,257	220,877	205,521	15,356
Gódávari	102,121	387,247	489,368	410,719	78,649
Kistna	14,417	145,457	159,874	89,132	70,742
Kurnool	384,563	1,454,509	1,839,072	1,588,424	250,648
Bellary	52,480	286,878	339,358	140,560	198,798
Anantapur	..	28,696	28,696	..	28,696
Total	571,221	2,533,122	3,104,343	2,450,554	653,789
Central Circle.					
Cuddapah	107,975	192,695	300,670	184,718	115,952
Nellore	* 37,872	577,233	615,105	520,886	94,219
Chinglepat	20,940	60,780	81,720	76,545	5,175
North Arcot	* 1,853	159,645	161,498	117,536 † 4,125 ‡ 809	39,028
South do.	2,664	15,587	18,251	10,640 ‡ 5,552	2,049
North Salem	3,504	121,223	124,727	120,376	4,351
South do.	156,627	273,442	430,069	365,136	64,933
Trichinopoly	20,719	374,558	395,277	325,420 † 24,416	45,441
Tanjore	16,335	..	16,335	16,335	..
Total	368,489	1,775,163	2,143,652	1,772,504	371,148

* Revised figure. † Written off. ‡ Used departmentally. § Wastage by sawing.

Account of Timber and other produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1903–1904—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
		FUEL (CUBIC FEET)—*cont.*			
Southern Circle.					
South Canara	..	30,270	30,270	29,675	595
Malabar (North)	..	..	..	..	..
Do. (South)	60,154	64,562	124,716	117,386	7,330
The Nilgiris	172,904	229,302	402,206	180,441	221,765
Coimbatore (North)	* ..	1,000	1,000	600	400
Do. (South)	35,472	398,542	434,014	309,633	124,381
Madura	43,096	1,125,897	1,168,993	1,156,912 † 7,366	4,715
Tinnevelly	..	22,580	22,580	19,530	3,050
Total ..	311,626	1,872,153	2,183,779	1,821,943	362,236
Grand Total ..	1,251,336	6,180,438	7,433,634	6,046,461	1,387,173
		BAMBOOS (NUMBER).			
Northern Circle.					
Ganjám	5,400	384,200	389,600	385,920	3,680
Vizagapatam	..	1,370	1,370	1,370	..
Gódávari	..	1,750	1,750	1,600	150
Kistna	117	134	251	251	..
Kurnool	..	300	300	200	100
Bellary	1,548	399	1,947	1,407	540
Total ..	7,065	388,153	395,218	390,748	4,470
Central Circle.					
North Arcot	..	504	504	§ 504	..
South do.	..	777	777	777	..
North Salem	135	76,323	76,458	3,470	72,988
South do.	..	250	250	215	35
Total ..	135	77,854	77,989	4,966	73,023
Southern Circle.					
South Canara	..	1,033	1,033	133	900
Malabar (North)	..	14,400	14,400	..	14,400
Do. (South)	120	26,222	26,342	23,872	2,470
Coimbatore (North)	..	5,369	5,369	5,369	..
Do. (South)	868	141	1,009	497	512
Tinnevelly	..	17	17	17	..
Total ..	988	47,182	48,170	29,888	18,282
Grand Total ..	8,188	513,189	521,377	425,602	95,775
		MINOR PRODUCE (MAUNDS OF 25 LB.).			
Northern Circle.					
Ganjám	150	..	150	150	..
Vizagapatam	* 184	11,077	11,261	10,520	741
Gódávari	..	366	366	366	..
Kistna	..	15,063	15,063	376	14,687
Kurnool	..	467	467	467	..
Bellary	..	7,578	7,578	2,235	5,343
Anantapur	* 2,598	650	3,248	..	3,248
Total ..	2,932	35,201	38,133	14,114	24,019
Central Circle.					
Cuddapah	350	..	350	15	335
Nellore	* 1,693	6,047	7,740	5,641	2,099
Chingleput	..	338	338	338	..
North Arcot	540	1,611	2,151	85 ‡ 90 § 896 ‖ 1,080	..
South do.	507	934	1,441	1,067	374
North Salem	313	..	313	313	..
South do.	* 3,278	1,442	4,720	2,305	2,415
Trichinopoly	..	245	245	245	..
Tanjore	8	..	8	5	3
Total ..	6,689	10,617	17,306	12,080	5,226
Southern Circle.					
South Canara	279	1,877	2,156	1,878	278
Malabar (North)	* 118	1,357	1,475	969	506
Do. (South)	..	..	..	..	..
The Nilgiris	5,290	5,893	11,183	6,582	4,601
Coimbatore (North)	12,159	46,615	58,774	23,723 § 12,051	23,000
Do. (South)	566	3,203	3,769	3,323	446
Total ..	18,412	58,945	77,357	48,526	28,831
Grand Total ..	28,033	104,763	132,796	74,720	58,076

* Revised figure. † Written off. ‡ Spoiled by rain. § Used departmentally. ‖ Distributed free to ryots.

Annual Form No. 58.

Forest Department, Madras Presidency.

Statement showing the Value of Timber and other Produce at sale depots for the year 1903–1904.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám	Sál	..	6,529	2,448	..	9,187	2,297	..	151
	Miscellaneous ..	..	* 565	141		107	7	..	134
	Total, Timber..	..	7,094	2,589	..	9,294	2,304	..	285
	Fuel	..	3,020	283	..	2,275	216	..	67
	Bamboos.. ..	5,400	..	34	3,680	..	23	..	11
	Minor produce ..	MDS. 150	..	150	..	..	..	..	150
Vizagapatam.	Miscellaneous timber ..	..	2,608	1,846	..	1,505	1,092	..	754
	Fuel	..	* 14,620	906	..	15,356	1,021	115	..
	Minor produce ..	MDS. *184	..	11	MDS. 741	..	73	62	..
Gódávari	Teak	..	..	..	..	1,630	815	..	..
	Ebony	..	73	183	..	73	183	..	..
	Miscellaneous ..	..	2,591	1,481	..	2,493	1,413	..	..
	Total, Timber..	..	2,664	1,664	..	4,196	2,411	747	..
	Fuel	..	102,121	6,384	..	78,649	3,575	..	2,809
	Bamboos ..	..	..	.	150	..	5	5	..
Kistna	Miscellaneous timber ..	..	45	7	..	..	..	..	7
	Fuel	..	* 2,968	205	..	26,811	3,560	3,355	..
	Bamboos ..	117	..	45	‡ 251	..	..	..	..
	Minor produce ..	..	..	..	MDS. 197	..	54	54	..
Kurnool	Miscellaneous timber ..	..	11,436	8,577	..	6,445	3,224	..	5,353
	Fuel	..	384,563	22,620	..	250,648	14,744	..	7,876
Bellary	Teak	..	1,026	57	..	513	28	..	..
	Miscellaneous timber ..	..	95,836	3,500	..	3,365	350	..	..
	Total, Timber..	..	96,862	3,557	..	3,878	378	..	3,029
	Fuel	..	52,480	4,892	..	198,798	16,566	11,674	..
	Bamboos ..	1,548	..	221	540	..	10	211	..
	Minor produce ..	..	..	..	MDS. 5,243	..	300	300	..
Anantapur.	Fuel	..	..	..	..	28,696	2,110	2,110	..
	Minor produce ..	MDS. * 2,598	..	100	MDS. 3,248	..	35	..	65
	Central Circle.								
Cuddapah	Miscellaneous timber ..	..	1,296	388	..	612	183	..	205
	Fuel	..	107,965	5,190	..	115,952	5,574	384	..
	Minor produce ..	MDS. 350	..	†	MDS. 335	..	†	..	..
Nellore	Miscellaneous timber ..	..	..	..	..	1,092	289	289	..
	Fuel	..	* 37,872	1,893	..	94,219	4,382	2,489	..
	Minor produce ..	MDS. 1,349	..	1,576	MDS. 1,901	..	1,252	..	324
Chingleput.	Fuel	..	20,940	†	..	5,175	†	..	..
North Arcot*	Sandalwood ..	..	13	109	..	2	11	..	98
	Fuel	..	5	1	..	17,931	3,586	3,585	..
	Minor produce ..	MDS. 2	..	10	..	..	..	..	10
North Salem.	Miscellaneous timber ..	..	1,361	2,694	..	6,233	5,125	2,431	..
	Fuel	..	3,504	73	..	4,351	91	18	..
	Bamboos ..	135	..	114	72,988	..	1,281	1,167	..
	Minor produce ..	MDS. 313	..	2	..	..	..	..	2

* Revised figure. † Not reported.

‡ All this have been shown by the Collector in Form 57 as disposed of.

Statement showing the Value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				RS.			RS.	RS.	RS.
South Salem.	Sandalwood ..	..	15	150	..	141	1,410	1,260	..
	Miscellaneous timber ..	..	800	600	..	869	650	50	..
	Total, Timber ..	..	815	750	..	1,010	2,060	1,310	..
	Fuel	..	156,627	9,779	..	64,933	6,461	..	3,318
	Minor produce ..	MDS. 3,278	..	210	MDS. 2,415	..	127	..	83
	Bamboos ..	..	..	..	35	..	8	8	..
Trichinopoly ..	Fuel	..	31,078	3,640	..	45,441	5,573	1,933	..
Tanjore ..	Fuel	..	16,335	2,178	..	..	..	..	2,178
	Minor produce ..	MDS. 8	..	5	MDS. 3	..	2	..	3
	Southern Circle.								
South Canara.	Miscellaneous timber ..	..	2,921	2,225	..	4,254	3,315	1,090	..
	Bamboos ..	..	..	..	900	..	90	90	..
	Minor produce ..	MDS. 279	..	†	MDS. 125	..	†	..	..
North Malabar.	Teak	..	91,424	51,426	..	114,358	64,336	12,910	..
	Vengai	..	30,882	17,471	..	31,410	17,668	197	..
	Rosewood ..	..	3,219	1,811	..	1,786	1,005	..	806
	Matti	..	85,778	10,722	..	4,140	517	..	10,205
	Benteak	..	1,319	165	..	34	4	..	161
	Miscellaneous ..	..	1,146	143	..	1,400	174	31	..
	Total, Timber ..	..	213,768	81,738	..	153,128	83,704	1,966	..
	Bamboos ..	..	..	..	14,400	..	720	720	..
	Minor produce ..	MDS. †	..	826	MDS. †	..	690	..	136
South Malabar.	Teak	..	16,028			3,535			
	Rosewood ..	..	72			..			
	Ironwood ..	..	1,394			14,391			
	Matti or Karimaridu ..	..	603	7,326	..	983	3,895	..	..
	Hopea	..	..			164			
	Miscellaneous ..	..	4,179			10,038			
	Total, Timber ..	..	22,276	7,326	..	29,111	3,895	..	3,431
	Fuel	..	60,154	3,750	..	7,330	383	..	3,367
	Bamboos ..	120	..	2	2,470	..	100	98	..
The Nilgiris.	Teak	..	60	210	..	258	904	694	..
	Vengai	..	* 105	210	..	4	6	..	204
	Total, Timber ..	..	165	420	..	262	910	490	..
	Fuel and charcoal	..	* 13,831	1,100	..	14,577	1,101	1	..
	Minor produce ..	MDS. * 88	..	178	MDS. 38	..	38	..	140
North Coimbatore.	Sandalwood ..	..	2,945	41,223	..	280	722	..	40,501
	Vengai	..	812	610	..	2,132	2,132	1,522	..
	Teak	..	632	632	..	43	43	..	589
	Rosewood ..	..	..	..	..	99	99	99	..
	Karimaridu ..	..	..	..	..	17	14	14	..
	Miscellaneous ..	..	14,570	7,363	..	795	1,104	..	6,259
	Total, Timber ..	..	18,959	49,828	..	3,366	4,114	..	45,714
	Fuel	..	* ..	..	..	400	44	44	..
	Minor produce ..	MDS. 12,159	..	11,538	MDS. 23,000	..	16,751	5,213	..

* Revised figure.

† Not reported.

Statement showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				RS.			RS.	RS.	RS.
South Coimbatore.	Ironwood ..	..	311	200	..	317	204	..	..
						138	82		
	Karimaridu ..	..	1,784	1,216	..	3,707	2,392	..	..
	Teak	..	3,813	8,730	..	8,731	18,778	..	..
	Rosewood ..	..	37	64	..	447	923	..	..
	White cedar ..	..	..	..	..	251	369	..	..
	Vengai	..	59	66	..	..	..	..	..
	Miscellaneous ..	..	3,583	2,431	..	6,733	4,612	..	..
	Total, Timber ..	..	* 9,587	12,707	..	20,324	27,360	14,653	..
	Fuel	..	35,472	745	..	60,258	2,091	1,346	..
	Bamboos ..	868	..	83	..	..	..	..	83
	Minor produce ..	MDS. * 416	..	1,260	MDS. 308	..	636	..	624
Madura ..	Miscellaneous timber ..	..	577	288	..	40	20	..	268
	Fuel	..	43,096	1,616	..	4,715	471	..	1,145
Tinnevelly ..	Miscellaneous timber ..	..	730	650	..	547	251	..	399
	Fuel	..	..	..	..	3,050	153	153	..

ABSTRACT.

	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
Northern Circle.			RS.			RS.	RS.	RS.
Timber	..	120,709	18,240	..	25,318	9,409	..	8,831
Fuel	..	559,772	35,290	..	601,233	41,792	6,502	..
Bamboos ..	7,065	..	300	4,621	..	38	..	262
Minor produce ..	MDS. 2,932	..	261	MDS. 9,242	..	462	201	..
Central Circle.								
Timber	..	3,485	3,941	..	8,949	7,668	3,727	..
Fuel	..	374,326	22,754	..	348,002	25,667	2,913	..
Bamboos ..	135	..	114	73,023	..	1,289	1,175	..
Minor produce ..	MDS. 5,300	..	1,803	MDS. 4,654	..	1,381	..	422
Southern Circle.								
Timber	..	268,983	1,55,182	..	211,032	1,23,569	..	31,613
Fuel	..	152,553	7,211	..	90,330	4,243	..	2,968
Bamboos ..	988	..	85	17,770	..	910	825	..
Minor produce ..	MDS. 12,942	..	13,802	MDS. 23,471	..	18,115	4,313	..

GRAND TOTAL.

	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
			RS.			RS.	RS.	RS.
Timber	..	393,177	1,77,363	..	245,299	1,40,646	..	36,717
Fuel	..	1,086,651	65,255	..	1,039,565	71,702	6,447	..
Bamboos ..	8,188	..	499	95,414	..	2,237	1,738	..
Minor produce ..	MDS. 21,174	..	15,866	MDS. 37,367	..	19,958	4,092	..

* Revised figure.

ANNUAL

SUMMARY of Revenue of the different districts

Budget heads.	Northern				
	Direction.	Ganjám.	Vizagapatam.	Gódavari.	Kistna.
1	2	3	4	5	6
Receipts.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	..	3,281	342	725	..
(b) Firewood and charcoal	..	1,635	10,121	18,641	7,589
(c) Bamboos	..	2,489	17	..	..
(d) Sandalwood	..	..	..	..	..
(e) Grass and other minor produce	* 38	57	548	106	56
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	..	13,325	4,618	36,085	13,191
(b) Firewood and charcoal	..	6,457	4,557	18,615	12,440
(c) Bamboos	..	5,725	9,574	38,260	3,266
(d) Grazing and fodder grass	..	12,109	5,011	22,956	87,582
(e) Other produce	..	4,045	11,668	35,951	15,932
(f) Tree owners' fees	..	377	159	6,153	6,747
III. Confiscated drift and waifwood	..	661	28	4,155	27
IV. Revenue from forests not managed by Government	..	..	..	..	..
V. Miscellaneous—					
(a) Fines and forfeitures	..	1	..	1,373	25
(b) Other sources	..	1,074	2,261	4,488	2,158
Total, Receipts ..	38	51,236	48,904	1,87,508	1,49,013

Budget heads.	Central Circle—*cont.*					
	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	16	17	18	19	20	21
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(a) Timber	..	1,786	511	408	..	12,918
(b) Firewood and charcoal	496	14,982	35,146	34,718	2,911	1,38,624
(c) Bamboos	110	132	18	..	..	260
(d) Sandalwood	53	14,264	2,534	..	..	36,218
(e) Grass and other minor produce	59	21	55	147	5	2,200
II. Timber and other produce removed from the forests by consumers or purchasers—						
(a) Timber	5,106	5,903	11,938	3,524	965	55,395
(b) Firewood and charcoal	40,258	9,904	6,892	31,993	10,382	1,68,368
(c) Bamboos	100	8,493	24,472	1,415	262	68,996
(d) Grazing and fodder grass	55,108	33,957	25,774	17,350	888	2,64,872
(e) Other produce	28,130	14,665	22,929	20,595	4,706	2,06,531
(f) Tree owners' fees	1,996	1,235	436	2	99	22,646
III. Confiscated drift and waifwood	247	191	390	221	8	2,442
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(a) Fines and forfeitures	882	836	442	133	21	3,240
(b) Other sources	808	5,598	9,999	7,576	4,404	43,670
Total, Receipts ..	1,33,353	1,11,967	1,41,536	118,082	24,651	10,26,380

MADRAS,
31st August 1903.

* On account of Kistna district.

FORM No. 59.

for the Forest year 1903–1904.

Circle.				Central Circle.				
Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
7	8	9	10	11	12	13	14	15
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
10,135	3,665	..	18,148	¶ 6,203	329	2,929	6	746
86,868	24,660	49	1,49,563	† 14,131	14,500	6,402	3,579	11,759
..	50	..	2,556	..	..	..	..	..
..	1,562	..	1,562	‡ 15,972	..	..	..	3,395
192	169	1	1,167	..	1,760	3	66	84
21,242	6,954	5,447	1,00,862	§ 8	5,301	13,721	3,589	5,340
17,038	4,921	2,729	66,757	§ 15,737	17,831	9,811	8,542	17,018
22,417	1,693	376	81,311	..	25	5,726	56	28,447
43,811	37,655	18,657	2,27,781	..	45,506	38,843	13,001	34,445
11,600	27,244	45,766	1,52,206	§ 1,914	27,346	50,069	8,392	27,785
19,054	22,067	9,939	64,496	..	2,190	6,686	3,319	6,683
1,119	88	40	6,118	..	635	377	69	304
..	..	..	..	..	..	..	..	..
57	28	160	1,644	..	32	181	56	657
2,939	4,753	2,372	20,045	‖ 1,598	4,131	9,012	128	416
2,36,472	1,35,509	85,536	8,94,216	55,563	1,19,586	1,43,760	40,803	1,37,079

Southern Circle.									
Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
22	23	24	25	26	27	28	29	30	31
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	10,914	2,700	45,642	6,109	1,980	33,841	18,866	4,576	1,24,628
..	11,719	25	5,331	49,663	1,147	..	4,198	2,325	74,408
..	..	1	60	..	4	..	1,047	2	1,114
..	1,115	28,123	..	..	..	..	..	..	29,238
..	3,861	19,496	4,645	..	6	1,248	3	14,558	43,817
..	5,629	2,259	15,209	6,284	1,553	3,382	14,553	3,883	52,752
..	3,100	10,869	12,185	42,059	63,489	171	6	11,229	1,43,108
..	1,269	6,562	10,030	4,799	650	377	1,716	1,128	26,531
..	9,191	56,395	10,247	24,304	6,494	2,794	62	5,260	1,14,747
..	974	7,312	4,942	27,941	27,921	1,739	2,117	15,849	88,795
..	..	11	..	5	..	..	3	2,625	2,644
..	20	226	505	565	1,763	211	1,791	1,710	6,791
..	..	..	..	..	..	..	..	..	..
..	..	2	96	497	182	16	296	189	1,278
‡ 60	5,396	5,751	6,732	10,586	3,633	16,033	6,725	5,208	60,124
60	53,188	1,39,732	1,15,624	1,72,812	1,08,822	59,812	51,383	68,542	7,69,975

(Signed) E. S. HENSMAN,
Chief Superintendent.

		RS.
† On account of Nellore	..	11,339
Do. of South Coimbatore	..	2,792
		14,131

‡ On account of North Coimbatore.

§ On account of Nellore.

		RS.
‖ On account of Nellore	..	1,498
Do. of North Coimbatore	..	90
Do. of South do.	..	10
		1,598
¶ On account of North Malabar	..	5,720
Do. of South Coimbatore	..	483
		6,203

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1903–1904.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks.	..	563	86	2,041	1,229	194	842	551	5,506
A. Conservancy and Works.									
I. Timber and other produce removed from the forests by Government Agency—									
(a) Timber	..	1,993	4	..	..	3,213	431	..	5,641
(b) Firewood and charcoal	..	614	5,736	8,109	7,082	36,917	13,292	124	71,874
(c) Bamboos	..	1,270	..	..	..	..	12	..	1,282
(d) Sandalwood ..	..	..	..	..	..	..	266	..	266
(e) Grass and other minor produce ..	4	78	181	23	1,501	146	1,639	38	3,610
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,343	4,715	15,399	4,932	17,068	3,852	1,833	53,142
III. Confiscated, drift and waif-wood	..	11	3	810	2	25	6	1	858
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	400	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—									
(a) Purchase of cattle ..	..	..	..	..	..	56	339	..	395
(b) Feed and keep of cattle	..	..	630	646	..	5,130	2,197	..	8,603
(c) Stores, tools and plant	74	253	44	863	1,394	1,573	604	299	5,104
VII. Communications and buildings—									
(a) Roads and bridges ..	..	304	92	2,609	271	3,764	293	508	7,841
(b) Buildings	63	3,681	1,668	2,831	1,706	3,345	930	1,498	15,722
(c) Other works ..	..	25	6	5,219	516	..	30	107	5,903
VIII. Demarcation, improvement and extension of forests—									
(a) Demarcation ..	..	910	4	1,199	1,989	1,571	596	401	6,670
(b) Cost of forest settlement; compensation for land and rights	..	114	22	..	154	2,613	..	..	2,903
(c) Surveys (1) Local ..	3	625	450	1,555	745	1,265	370	..	5,013
(c) Surveys (2) India ..	37,192	..	..	..	..	..	..	..	37,192
(d) Working plans ..	3	223	..	294	..	10	..	484	1,014
(e) Sowing and planting.	397	367	93	5,579	3,754	68	859	114	11,231
(f) Protection from fire.	..	2,941	134	3,872	188	1,771	768	1,348	11,022
(g) Other works ..	..	85	..	127	11,185	334	4,560	3,579	19,870
IX. Miscellaneous—									
(a) Law charges ..	..	..	..	..	270	66	..	..	336
(b) Other charges ..	19	29	42	62	10	105	136	21	424
Total, A. Conservancy and Works	37,755	19,429	14,310	51,238	36,928	79,234	42,022	10,906	2,91,822

MADRAS,
31st August 1904.

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1903-1904—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks ..	..	13,450	347	147	1,198	2,889	392	597	242	107	19,369
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber ..	..	141	2,360	1	228	..	2,822	535	..	..	6,087
(*b*) Firewood and charcoal ..	..	11,931	3,393	1,532	7,019	233	10,708	24,634	20,757	1,298	81,505
(*c*) Bamboos ..	..	..	..	..	..	3	634	8	..	..	645
(*d*) Sandalwood ..	..	..	..	..	202	..	752	299	..	..	1,253
(*e*) Grass and other minor produce ..	..	1,829	..	47	73	57	..	75	22	..	2,103
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	4,170	13,326	1,742	3,523	2,404	3,072	4,434	2,849	461	35,981
III. Confiscated, drift and waifwood	..	1	50	..	2	2	7	10	1	..	73
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	1	4,848	69	50	740	658	383	838	344	10	7,936
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	..	168	618	1,219	270	1,162	1,735	..	..	5,172
(*b*) Buildings ..	12	1,350	1,182	835	3,190	399	520	2,943	191	77	10,699
(*c*) Other works ..	..	..	10	59	159	65	53	132	7	..	485
VIII. Demarcation, improvement and extension of orests—											
(*a*) Demarcation ..	..	876	107	589	353	1,074	475	143	1,996	25	5,638
(*b*) Cost of forest settlement; compensation for land and rights ..	..	5	70	159	..	..	..	195	..	..	429
(*c*) Surveys—											
(1) Local ..	296	292	360	325	249	260	1,070	939	360	..	4,151
(2) India ..	10,140	..	..	..	..	..	..	..	..	..	10,140
(*d*) Working plans.	..	67	78	..	548	..	..	98	37	..	828
(*e*) Sowing and planting ..	..	7,497	1,129	510	1,132	1,651	38	73	1,086	2,110	15,226
(*f*) Protection from fire	..	2,211	3,116	353	3,327	743	1,195	1,241	187	..	12,373
(*g*) Other works ..	..	1,607	2,965	2,382	7,819	9,248	3,115	4,790	3,527	404	35,857
IX. Miscellaneous—											
(*a*) Law charges ..	..	..	..	..	..	..	..	..	14	..	14
(*b*) Other charges .	48	65	6	16	115	11	45	132	16	..	454
Total, A Conservancy and Works	10,497	50,335	28,736	9,365	31,096	19,967	26,443	43,851	31,636	4,492	2,56,418

MADRAS,
31st August 1904.

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1903–1904—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks.	..	74	604	233	380	903	4	2	126	2,326
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber ..	..	1,725	2,256	20,139	..	1,364	10,252	6,463	4,913	47,112
(b) Firewood and charcoal ..	..	8,611	21	4,339	39,202	564	..	3,009	224	55,970
(c) Bamboos ..	..	..	..	..	..	2	144	1,456	46	1,648
(d) Sandalwood ..	..	130	11,513	..	..	..	..	..	..	11,643
(e) Grass and other minor produce.	..	1,936	16,085	3,054	..	..	605	..	3,126	24,806
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	906	3,929	5,491	2,965	2,224	582	37	4,996	21,136
III. Confiscated, drift and waifwood	..	2	10	54	51	4	7	8	58	194
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	..	5,057	..	12,057
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle ..	..	..	..	4,871	..	..	3,233	505	..	8,609
(b) Feed and keep of cattle ..	..	3,866	..	16,675	..	..	8,429	9,480	1,688	40,138
(c) Stores, tools and plant ..	203	75	179	2,544	213	485	324	2,418	—7	6,434
VII. Communications and buildings—										
(a) Roads and bridges ..	..	2,586	8,469	2,971	5,936	5,323	1,994	1,911	62	29,252
(b) Buildings ..	..	1,804	3,030	4,464	3,129	3,859	795	802	1,436	19,349
(c) Other works ..	..	90	542	2,294	531	25	387	739	36	4,644
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation ..	..	1,967	1,932	187	3,061	454	1,870	2	2,255	11,728
(b) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	..	..	227	..	179	406
(c) Surveys—										
(1) Local ..	..	373	296	2,181	326	360	428	269	824	5,057
(2) India ..	22,701	..	..	..	..	..	..	..	..	22,701
(d) Working plans.	..	..	..	..	..	..	35	1	..	36
(e) Sowing and planting ..	220	1,747	129	456	..	566	3,626	7,196	175	14,115
(f) Protection from fire	..	3,086	852	2,729	1,617	1,969	6,948	2,027	1,707	20,935
(g) Other works ..	..	791	5,478	1,443	8,063	4,118	1,331	1,046	88	22,358
IX. Miscellaneous—										
(a) Law charges ..	..	116	..	..	..	557	..	45	88	806
(b) Other charges ..	338	3,417	603	540	60	69	883	87	30	6,027
Total A, Conservancy and Works ..	23,462	37,802	55,928	77,165	65,534	22,876	42,104	42,560	22,050	3,89,481

MADRAS,
31st August 1904.

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

Summary of Expenditure of the different Districts for the Forest year
1903–1904—*cont.*

SUMMARY of Expenditure of the different Districts

Budget heads.	Northern Circle.									Central				
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward. Total A. "Conservancy and Works"	563	19,429	14,310	51,238	36,928	79,234	42,022	10,906	2,91,822	357	50,335	28,736	9,365	31,096
I. Salaries—														
(*a*) Conservators ..	16,064	..	..	..	..	..	..	..	16,064	19,200	..	..	..	..
(*b*) Superior officers..	15,654	8,413	6,993	11,776	6,600	13,682	10,100	7,094	80,312	8,206	12,342	9,038	4,751	11,984
(*c*) Subordinate forest and depot establishments ..	1,350	10,102	5,638	12,912	9,205	16,162	8,056	7,366	70,791	2,966	10,911	16,214	5,326	14,246
(*d*) Office establishments	10,111	3,172	2,541	5,263	4,087	4,842	3,257	2,959	36,232	10,324	4,668	4,849	2,044	4,322
(*e*) Deputation and special allowances	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange compensation allowance	1,517	438	437	517	412	509	441	443	4,714	1,200	..	496	..	421
II. Travelling allowances—														
(*a*) Conservators ..	3,556	..	..	..	..	..	..	..	3,556	2,587	..	..	..	..
(*b*) Superior officers.	4,136	2,159	1,796	3,082	1,925	3,639	2,091	1,912	20,740	2,033	1,862	1,699	804	1,376
(*c*) Subordinate forest and depot establishments.	510	2,832	1,798	3,957	2,885	4,792	2,168	1,680	20,622	820	3,082	4,070	1,275	3,598
(*d*) Office establishments	2,738	467	305	1,092	711	656	654	613	7,266	1,634	827	667	349	654
III. Contingencies—														
(*a*) Stationery ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Rents, rates and taxes	343	105	412	140	283	170	136	117	1,706	..	115	323	22	180
(*c*) Official postage.	822	552	377	1,697	1,294	1,395	940	1,061	8,138	623	629	1,094	721	1,744
(*d*) Service telegrams.	250	32	36	64	64	127	38	43	654	155	53	63	8	54
(*e*) Sundries ..	2,309	719	633	2,505	1,200	913	745	944	9,968	1,883	1,386	939	312	938
Total B.—"Establishments".	9,360	28,991	20,966	43,005	28,696	46,887	28,626	24,232	2,80,763	51,631	35,875	39,452	15,612	39,517
Grand Total of Expenditure.	59,923	48,420	35,276	94,243	65,624	1,26,121	70,648	35,138	5,72,585	51,988	86,210	68,188	24,977	70,613

MADRAS,
31st August 1904.

for the Forest year 1903–1904.

Circle.						Southern Circle.									
South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
19,967	26,443	43,851	31,636	4,492	2,56,418	761	37,802	55,928	77,165	65,534	22,876	42,104	42,560	22,050	3,89,481
..	..	..	..	..	19,200	16,800	..	..	..	..	..	..	..	..	16,800
10,800	6,018	12,487	4,800	..	80,456	8,096	10,601	11,252	7,842	7,800	7,293	9,145	1,353	8,088	71,470
11,501	6,883	7,709	7,595	1,777	85,128	2,125	13,020	9,125	12,829	11,575	9,970	7,295	6,742	9,838	82,519
4,575	3,209	4,351	2,967	774	42,023	9,534	3,959	4,003	3,869	3,935	3,755	3,561	2,913	4,226	39,695
..	..	..	..	..	..	..	..	..	771	..	..	..	..	..	771
675	..	522	..	.	3,314	1,283	132	550	490	488	306	497	84	494	4,374
..	..	..	..	..	2,587	3,242	..	..	— 2	..	..	..	..	..	3,240
1,050	1,450	1,871	737	236	13,118	2,114	1,172	1,802	1,134	1,558	1,956	2,051	124	1,448	13,359
2,984	1,601	2,655	2,283	839	23,207	429	2,509	3,266	3,626	4,143	2,527	2,040	2,269	2,816	23,625
875	370	381	509	299	6,565	1,633	95	457	264	664	604	802	685	576	5,780
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
159	43	19	110	4	975	59	230	137	85	55	190	60	26	8	850
1,898	1,177	916	604	198	9,604	947	405	1,014	610	1,084	866	495	413	1,023	6,857
35	19	24	14	19	444	115	40	40	33	49	135	122	78	19	631
606	850	611	484	216	8,225	1,380	479	1,906	995	913	520	1,112	1,111	708	9,124
35,158	21,650	31,546	20,043	4,362	2,94,846	47,757	32,692	33,552	32,486	32,264	28,122	27,180	15,798	29,244	2,79,095
55,125	48,093	75,397	51,679	8,854	5,51,264	48,518	70,494	89,480	1,09,651	97,798	50,998	69,284	58,358	51,294	6,68,576

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1903-1904 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1903-1904.	Grand Total, Presidency. 1902-1903.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	18,148	6,715	1,30,831	1,55,694	1,61,714
(b) Firewood and charcoal	1,49,563	1,35,832	77,200	3,62,595	3,99,617
(c) Bamboos	2,556	260	1,114	3,930	2,935
(d) Sandalwood	1,562	20,246	45,210	67,018	51,101
(e) Grass and other minor produce	1,167	2,200	43,817	47,184	44,671
Total, I ..	1,72,996	1,65,253	2,98,172	6,36,421	6,60,038
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,00,862	55,395	52,752	2,99,009	2,33,392
(b) Firewood and charcoal	66,757	1,68,368	1,43,108	3,78,233	3,33,043
(c) Bamboos	81,311	68,996	26,531	1,76,838	1,70,682
(d) Grazing and fodder grass	2,27,781	2,64,872	1,14,747	6,07,400	5,78,500
(e) Other produce	1,52,206	2,06,531	88,795	4,47,532	4,70,073
(f) Tree-owners' fees	64,496	22,646	2,644	89,786	10,154
Total, II ..	6,93,413	7,86,808	4,28,577	19,08,798	17,95,844
III. Confiscated drift and waifwood	6,118	2,442	6,791	15,351	11,935
V. Miscellaneous—					
(a) Fines and forfeitures	1,644	3,240	1,278	6,162	5,531
(b) Other sources	20,045	43,570	60,224	1,23,839	1,19,431
Total, V ..	21,689	46,810	61,502	1,30,001	1,24,962
Grand Total, Receipts ..	8,94,216	10,01,313	7,95,042	26,90,571	25,92,779
EXPENDITURE.					
I. Refunds and drawbacks	5,506	19,369	2,326	27,201	16,500
A.—Conservancy and Works.					
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	5,641	6,087	47,112	58,840	49,371
(b) Firewood and charcoal	71,874	81,505	55,970	2,09,349	2,37,338
(c) Bamboos	1,282	645	1,648	3,575	1,966
(d) Sandalwood	266	1,253	11,643	13,162	12,762
(e) Grass and other minor produce	3,610	2,103	24,806	30,519	28,083
Total, A-I ..	82,673	91,593	1,41,179	3,15,445	3,29,520
II. Timber and other produce removed from the forests by consumers or purchasers	53,142	35,981	21,130	1,10,253	1,67,726
III. Confiscated drift and waifwood	858	73	194	1,125	1,524
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	..	12,057	22,457	23,152
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	395	..	8,609	9,004	14,962
(b) Feed and keep of cattle	8,603	..	40,138	48,741	38,861
(c) Stores, tools and plant	5,104	7,936	6,434	19,474	13,955
Total, A-VI ..	14,102	7,936	55,181	77,219	67,778
VII. Communications and buildings—					
(a) Roads and bridges	7,841	5,172	29,252	42,265	43,604
(b) Buildings	15,722	10,699	19,349	45,770	53,739
(c) Other works	5,903	485	4,644	11,032	9,806
Total, A-VII ..	29,466	16,356	53,245	99.067	1,07,149
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	6,670	5,638	11,728	24,036	21,983
(b) Cost of forest settlement, compensation for land and rights	2,903	429	406	3,738	45,930
(c) (1) Local surveys	5,013	4,151	5,057	14,221	14,519
(c) (2) Surveys of India	37,192	10,140	22,701	70,033	64,880
(d) Working plans	1,014	828	36	1,878	1,388
(e) Sowing and planting	11,231	15,226	14,115	40,572	43,365
(f) Protection from fire	11,022	12,373	20,935	44,330	41,042
(g) Other works	19,870	35,857	22,358	78,085	77.690
Total, A-VIII ..	94,915	84,642	97,336	2,76,893	3,10,797

Summary of Receipts and Expenditure during 1903–1904 for each circle and for the Presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1903–1904.	Grand Total, Presidency. 1902–1903.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	RS.	RS.	RS.	RS.	RS.
IX. Miscellaneous—					
(*a*) Law charges	336	14	806	1,156	405
(*b*) Other charges	424	454	6,027	6,905	7,744
Total, A-IX ..	760	468	6,833	8,061	8,149
Total, A.—Conservancy and Works inclusive of refunds.	2,91,822	2,56,418	3,89,481	9,37,721	9,72,385
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	16,064	19,200	16,800	52,064	57,062
(*b*) Superior officers	80,312	80,456	71,470	2,32,238	2,43,910
(*c*) Subordinate forest and depot establishments.	70,791	85,128	82,519	2,38,438	2,34,764
(*d*) Office establishments	36,232	42,023	39,695	1,17,950	1,15,182
(*e*) Deputation and special allowances	..	..	771	771	480
(*f*) Exchange compensation allowance	4,714	3,314	4,374	12,402	12,809
Total, B-I ..	2,08,113	2,30,121	2,15,629	6,53,863	6,64,207
II. Travelling allowances—					
(*a*) Conservators	3,556	2,587	3,240	9,383	7,782
(*b*) Superior officers	20,740	13,118	13,359	47,217	47,016
(*c*) Subordinate forest and depot establishments.	20,622	23,207	23,625	67,454	62,839
(*d*) Office establishments	7,266	6,565	5,780	19,611	18,123
Total, B-II ..	52,184	45,477	46,004	1,43,665	1,35,790
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,706	975	850	3,531	3,282
(*c*) Official postage	8,138	9,604	6,857	24,599	} 24,110
(*d*) Service telegrams	654	444	631	1,729	
(*e*) Sundries	9,968	8,225	9,124	27,317	26,781
Total, B-III ..	20,466	19,248	17,462	57,176	54,173
Total, B.—Establishments ..	2,80,763	2,94,846	2,79,095	8,54,704	8,54,170
Grand Total, Expenditure ..	5,72,585	5,51,264	6,68,576	17,92,425	18,26,555
Surplus ..	3,21,631	4,50,049	1,26,466	8,98,146	7,66,224
Total ..	8,94,216	10,01,313	7,95,042	26,90,571	25,92,779

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1903–1904.

District.	Department Debtor.			Department Creditor.			Balance Due	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.								
Conservator, Northern Circle	..	8,071 1 2	8,071 1 2	64 9 9	8,090 14 9	8,155 8 6	84 7 4	..
Forest Settlement-officer, Kistna, etc., districts .	..	460 2 5	460 2 5	30 5 4	474 15 0	505 4 4	45 1 11	..
Working Plans Officer, Northern Circle ..	..	760 9 11	760 9 11	..	1,083 8 0	1,083 8 0	322 14 1	..
Ganjám	..	39,614 15 1	39,614 15 1	1,509 5 1	38,795 7 2	40,304 12 3	689 13 2	..
Vizagapatam	..	24,547 7 4	24,547 7 4	476 10 8	24,380 10 1	24,857 4 9	309 13 5	..
Gódávari	..	80,410 7 1	80,410 7 1	2,631 4 10	80,605 6 0	83,236 10 10	2,826 3 9	..
Kistna	..	62,249 13 2	62,249 13 2	1,378 1 1	62,471 6 5	63,849 7 6	1,599 10 4	..
Kurnool	..	1,15,204 8 5	1,15,204 8 5	3,569 11 10	1,16,690 14 10	1,20,260 10 8	5,056 2 3	..
Bellary	..	56,491 2 11	56,491 2 11	3,248 1 10	54,197 5 6	57,445 7 4	954 4 5	..
Anantapur	..	23,769 4 10	23,769 4 10	486 5 4	23,674 14 5	24,161 3 9	391 14 11	..
Total ..	..	4,11,579 8 4	4,11,579 8 4	13,394 7 9	4,10,465 6 2	4,23,859 13 11	12,280 5 7	..
Central Circle.								
Conservator, Central Circle	..	1,369 2 1	1,369 2 1	34 7 4	1,364 5 3	1,398 12 7	29 10 6	..
Forest Settlement-officer, Trichinopoly, etc., districts	..	223 15 4	223 15 4	47 4 1	184 5 10	231 9 11	7 10 7	..
Working Plans Officer, Central Circle	..	1,032 4 10	1,032 4 10	29 3 8	1,033 3 3	1,062 6 11	30 2 1	..
Nellore	..	58,141 12 9	58,141 12 9	1,086 10 8	58,429 4 9	59,515 15 5	1,374 2 8	..
Cuddapah	..	61,282 11 1	61,282 11 1	526 1 7	62,050 8 11	62,576 10 6	1,293 15 5	..
Chingleput	..	20,327 1 9	20,327 1 9	334 14 8	20,327 2 9	20,662 1 5	334 15 8	..
North Arcot	..	59,787 0 6	59,787 0 6	1,528 2 11	60,560 0 7	62,088 3 6	2,301 3 0	..
South Arcot	..	41,127 3 3	41,127 3 3	578 8 3	41,587 11 4	42,166 3 7	1,039 0 4	..
North Salem	..	37,820 9 6	37,820 9 6	1,273 6 8	37,611 11 6	38,885 2 2	1,064 8 8	..
South Salem	..	63,877 10 6	63,877 10 6	2,026 8 10	65,126 15 3	67,153 8 1	3,275 13 7	..
Trichinopoly	..	36,315 11 5	36,315 11 5	994 6 6	37,369 11 3	38,364 1 9	2,048 6 4	..
Tanjore	..	8,936 5 9	8,936 5 9	558 8 2	8,430 13 0	8,989 5 2	52 15 5	..
Total ..	..	3,90,241 8 9	3,90,241 8 9	9,018 3 4	3,94,075 13 8	4,03,094 1 0	12,852 8 3	..
Southern Circle.								
Conservator, Southern Circle	..	8,530 4 4	8,530 4 4	24 10 0	8,570 7 8	8,595 1 8	64 13 4	..
Forest Settlement-officer, Trichinopoly, etc., districts	..	223 15 6	223 15 6	22 7 2	209 2 9	231 9 11	7 10 5	..
Working Plans Officer, Southern Circle ..	..	658 13 2	658 13 2	21 6 7	637 6 7	658 13 2	..	..
The Nilgiris	..	53,883 1 7	53,883 1 7	1,538 1 6	54,103 4 2	55,641 5 8	1,758 4 1	..
North Coimbatore ..	..	95,007 6 5	95,007 6 5	3,204 12 9	95,986 3 9	99,191 0 6	4,183 10 1	..
South Coimbatore ..	..	90,635 1 10	90,635 1 10	5,528 2 1	87,229 3 11	92,757 6 0	2,122 4 2	..
Madura	..	55,715 8 4	55,715 8 4	964 3 9	57,077 3 4	58,041 7 1	2,3 5 14 9	..
Tinnevelly	..	48,629 9 1	48,629 9 1	1,831 11 7	48,229 10 8	50,061 6 3	1,431 13 2	..
North Malabar	..	53,348 6 6	53,348 6 6	2,034 15 8	52,617 10 11	54,652 10 7	1,304 4 1	..
South Malabar	..	51,286 1 10	51,286 1 10	1,201 12 7	51,381 7 7	52,583 4 2	1,297 2 4	..
South Canara	..	38,569 6 11	38,569 6 11	663 5 8	38,483 13 3	39,147 2 11	577 12 0	..
Total ..	..	4,96,487 11 6	4,96,487 11 6	17,035 9 4	4,94,525 10 7	5,11,561 3 11	15,073 8 5	..
Grand total ..	.	12,98,308 12 7	12,98,308 12 7	39,448 4 5	12,99,066 14 5	13,38,515 2 10	40,206 6 3	..

MADRAS,
31st August 1904.

(Signed) E. S. HENSMAN,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1903–1904.

District.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.						
Ganjám	Timber and other forest produce ..	297 9 11	51,018 11 5	51,316 5 4	51,236 0 0	80 5 4
Vizagapatam	Do. do.	967 12 6	48,386 3 6	49,354 0 0	48,904 0 0	450 0 0
Gódávari	Do. do.	2,608 9 6	1,88,011 10 3	1,90,620 3 9	1,87,508 0 0 (a)+ 0 3 6	3,112 0 3
Kistna	Do. do.	1,502 9 3	1,48,278 8 0	1,49,781 1 3	1,49,051 0 0 (b)+ 311 4 0	418 13 3
Kurnool	Do. do.	1,840 14 9	2,46,406 6 6	2,48,247 5 3	2,36,472 0 0 (b)+ 599 0 0	11,176 5 3
Bellary	Do. do.	21,353 13 0	1,24,411 8 6	1,45,765 5 6	1,35,509 0 0	10,256 5 6
Anantapur	Do. do.	23,851 11 0	71,289 8 0	95,141 3 0	85,536 0 0	9,605 3 0
	Total ..	52,422 15 11	8,77,802 8 2	9,30,225 8 1	8,94,216 0 0 + 910 7 6	35,099 0 7
Central Circle.						
Cuddapah	Timber and other forest produce.	9,609 3 6 (c) – 208 9 0	1,46,311 7 7	1,55,712 2 1	1,43,760 0 0	11,952 2 1
Nellore	Do. do.	23,949 0 8	1,40,994 0 0	1,64,943 0 8	1,50,082 0 0	14,861 0 8
Chingleput	Do. do.	2,230 4 8	43,247 0 0	45,477 4 8	40,803 0 0	4,674 4 8
North Arcot	Do. do.	28,932 6 7 (d) – 6,929 5 1	1,34,086 7 2	1,56,089 8 5	1,37,079 0 0	19,010 8 5
South Arcot	Do do.	3,256 3 4 (e) – 75 0 0	1,37,376 1 0	1,40,557 4 4	1,33,353 0 0	7,204 4 4
Tanjore	Do. do.	1,671 15 0 (f) – 105 0 0	25,300 6 9	26,867 5 9	24,651 0 0	2,216 5 9
Trichinopoly	Do. do.	6,837 4 1 (g) – 492 14 2	1,17,856 15 9	1,24,201 5 8	1,18,082 0 0	6,119 5 8
North Salem	Do. do.	3,543 12 0	1,14,224 3 1	1,17,767 15 1	1,11,967 0 0	5,800 15
South Salem	Do. do.	20,820 8 3 (h) – 1,800 13 9	1,33,553 2 0	1,52,572 12 6	1,41,536 0 0	11,036 12 6
	Total ..	1,00,850 10 1 – 9,611 10 3	9,92,949 11 4	10,84,188 11 2	10,01,313 0 0	82,875 11 2
Southern Circle.						
South Canara	Timber and other forest produce.	5,075 1 4 (i) – 4 6 0	80,793 6 2	85,864 1 6	68,542 0 0	17,322 1 6
North Malabar	Do. do.	10,290 2 3	51,265 4 9	61,555 7 0	59,812 0 0	1,743 7 0
South do.	Do. do.	475 8 9	56,836 7 10	57,312 0 7	51,383 0 0	5,929 0 7
The Nilgiris	Do. do.	331 14 4	54,490 1 0	54,821 15 4	53,188 0 0	1,633 15 4
North Coimbatore ..	Do. do.	691 8 3	1,42,094 4 9	1,42,785 13 0	1,39,792 0 0	2,993 13 0
South do. ..	Do. do.	1,146 8 10	1,32,633 13 10	1,33,780 6 8	1,15,624 0 0	18,156 6 8
Madura	Do. do.	2,505 11 3	1,73,279 12 2	1,75,785 7 5	1,72,812 0 0 (j)+ 10 0 0	2,963 7 5
Tinnevelly	Do. do.	16,884 5 0	1,05,527 7 6	1,22,411 12 6	1,08,822 0 0	13,589 12 6
	Total ..	37,400 12 0 – 4 6 0	7,96,920 10 0	8,34,317 0 0	(k)7,69,975 0 0 + 10 0 0	64,332 0 0
	Grand Total ..	1,90,674 6 0 – 9,616 0 3	26,67,672 13 6	28,48,731 3 3	26,65,504 0 0 + 920 7 6	182,306 11 9

(a) Written off under Govt. Order, No. 1133, Rev., dated 13th Nov. 1903.
(b) Do. do. No. 860, ,, ,, 19th August 1903.
(c) Deduction on account of the following—

	RS. A. P.
Cancellation of lease	153 9 0
Amount already collected in the previous year, but wrongly shown as outstanding at close of the year	25 0 0
Erroneous demand	30 0 0
Total ..	208 9 0

(d) Demand reduced owing to the lease period having been cut short.
(e) Cancellation of lease.
(f) Written off under Govt. Order, No. 1066, Rev., dated 27th Nov. 1902.
(g) Deduction on account of the following—

	RS. A. P.
Deduction from demand as the lessee did not cultivate so much of the area as was originally fixed ..	148 6 10
Amount already collected in the previous year, but shown wrongly as outstanding at close of the year ..	289 8 8
Remission of tree revenue due to wrong calculation of area	54 14 8
Total ..	492 14 2

(h) Coffee lease outstandings which actually fall due after 1903-1904 and wrongly included in the outstanding accounts of 1902–1903.
(i) Deduction on account of—

	RS. A. P.
(1) Erroneous demand	2 0 0
(2) Erroneous credit to "Land Revenue" which could not be transferred to "Forests" on account of the transfer books in the Accountant-General's office having been closed	2 6 0
Total ..	4 6 0

(j) Written off the accounts under Government Order, No. 860, Revenue, dated 19th August 1903.
(k) Exclusive of Rs. 25,067 realized in the Central Circle direction on account of this Circle (*vide* Forms 59 and 62).

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1903–1904.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	8,123	7,919	43,113	24,830	21,721	51,236	54,470
Vizagapatam	11,028	8,142	37,876	19,097	12,460	48,904	39,699
Gódávari	23,627	10,039	1,63,881	60,719	35,345	1,87,508	1,06,103
Kistna	* 7,683	9,462	1,41,368	29,614	34,868	1,49,051	73,944
Kurnool	97,195	43,565	1,39,277	60,473	37,983	2,36,472	1,42,021
Bellary	30,106	20,201	1,05,403	32,391	27,006	1,35,509	79,598
Anantapur	50	162	85,486	21,148	15,248	85,536	39,558
Total ..	1,77,812	99,490	7,16,404	2,51,272	1,84,631 37,192	* 8,94,216	5,35,393 § 37,192
Central Circle.							
Cuddapah	9,334	9,902	1,34,426	42,611	26,297	1,43,760	78,810
Nellore	27,927	24,161	1,22,155	36,914	30,298	1,50,082	91,373
Chingleput	3,651	1,795	37,152	13,819	11,944	40,803	27,558
North Arcot	15,984	11,460	1,21,095	31,763	35,135	1,37,079	78,358
South do.	718	3,868	1,32,635	29,042	29,960	1,33,353	62,870
North Salem	31,185	20,245	80,782	16,062	16,949	1,11,967	53,256
South do.	38,264	32,961	1,03,272	23,145	25,806	1,41,536	81,912
Trichinopoly	35,273	22,879	82,809	17,826	16,137	1,18,082	56,842
Tanjore	2,916	1,769	21,735	4,336	4,040	24,651	10,145
Total ..	1,65,252	1,29,040	8,36,061	2,15,518	1,96,566 +10,140	† 10,01,313	5,41,124 § +10,140
Southern Circle.							
South Canara	21,461	18,165	47,088	9,271	51,424	68,549	78,860
North Malabar	35,089 + 4,412	29,997	24,731	2,132	42,589	59,820 + 4,412	74,718
South do.	24,114 + 3,237	28,053	27,277	190	34,708	51,391 + 3,237	62,951
The Nilgiris	27,609	23,351	25,587	5,547	47,122	53,196	76,020
North Coimbatore ..	50,345 +15,972	52,441	89,394 + 60	7,638	37,142	1,39,739 + 16,032	97,221
South do. ..	55,678 + 2,527	59,455	59,954	13,593	45,143	1,15,632 + 2,527	1,18,191
Madura	55,772	46,191	1,17,047	7,391	51,844	1,72,819	1,05,426
Tinnevelly	3,137	6,381	1,05,692	7,112	41,532	1,08,829	55,025
Total ..	2,99,353	2,64,034	4,96,830	52,874	3,51,504 + 164	7,96,183 ‡ − 1,141	‖ 6,68,412 + 164
Grand Total ..	6,42,417	4,92,564	20,49,295	5,19,664	7,32,701 + 47,496	26,90,571	17,92,425

* This includes Rs. 38 realized under Direction under I (*e*).

		RS.
† Total revenue as per Accountant-General's Form No. 59	.. ..	10,26,380
Deduct revenue relating to Southern Circle	.. ..	25,067
		10,01,313

‡ This amount of Rs. 1,141 shown as deduction is explained by the Conservator as probably representing the revenue from sawn timber belonging to South Coimbatore division sold and credited in Salem and Trichinopoly districts.

§ Approximate survey of India charges.

‖ This amount includes a sum of Rs. 22,537 being the expenditure on account of Survey of India charges. The expenditure apportioned to the circle is however Rs. 22,701 (*vide* Form 59). Hence the addition of Rs. 164.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1903–1904.

PART I.

Elephants in possession of the Reporting Officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.			
1	2	3	4			
				RS.	A.	P.
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	Per head ..	* 52	8	0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	Do. ..	* 53	13	4
Kurnool	Byragi Piari	Do. do.	Do. ..	† 43	14	4
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	* 46	14	2
	2. Padmini					
	3. Chamundi	Transferred from North Malabar on 10th September 1900.				
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	45	10	3
	2. Kalyani	Purchased in October 1889	Do. ..	47	5	7
	3. Krishna	Captured in March 1896	Do. ..	50	5	4
	4. Chákravarthini ..	Do. in March 1898	Do. ..	50	11	1
	5. Emily	Do. in June 1899	Do. ..	44	1	1
	6. Sivajee	Do. in February 1900	Do. ..	50	11	0
	7. Nadir Shah	Do. in March 1900	Do. ..	47	10	6
	8. Abdur Rahiman ..	Do. in April 1900	Do. ..	‡ 46	6	11
	9. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	44	8	3
	10. Isabella	Captured in February 1898	Do. ..	48	14	10
	11. Peri	Do. on April 1899	Do. ..	46	13	11
	12. Dost-i-Jehan	Born in February 1902	Do. ..	24	5	3
	13. Jhelam	Captured in June 1902	Do. ..	41	0	11
	14. Bakr Ali	Do. in February 1903	Do. ..	42	11	0
	15. Jumna	Do. in June 1903	Do. ..	52	13	3
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	* 45	2	6
	2. Peyru					
	3. Samson	Purchased from Mr. Morgan in 1885 ..				
	4. Eva					
	5. Theebaw	Captured on 3rd January 1886 ..				
	6. Juno	Do. on 17th February 1886 ..				
	7. Jupiter	Do. on 9th January 1887				
	8. Maharajah	Transferred from Wynaad on 29th September 1888.				
	9. Gordon	Captured on 11th February 1889 ..				
	10. Loo	Do. on 21st April 1890				
	11. Hercules	Do. on 24th December 1890 ..				
	12. Tippoo	Do. on 25th February 1893 ..				
	13. Nurmahal	Transferred from North Malabar on 5th November 1898.				
	14. Kunhi Raman ..	Captured on 15th February 1900 ..				
	15. Lydia	Transferred from the Military department during 1902–1903.				
	16. Cheman Pyree ..					
	17. Empress					
The Nilgiris ..	1. Big Lakshmi	Transferred from the Anamalais on the 30th January 1882	Do. ..	* 53	11	1
	2. Chinna Lakshmi ..					
	3. Nilambur Lakshmi ..	Purchased in September 1894				
	4. Bessie (calf)	Born on 3rd July 1899				
	5. Beegum	Transferred from Nilambur on 23rd June 1903.				
	6. Jampyara					
South Coimbatore.	1. Karthiyayini ..	Transferred from South Malabar in August 1898.	Do. ..	47	13	1
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.				
	3. Zehara					
	4. Parvati	Received back from the Public Works Department on 3rd April 1901.				
	5. Kunjunni					
	6. Lala meah	Transferred from North Malabar on 20th June 1902.				
	7. Shah Jehan					
	8. Seeta					
	9. Bakto					
	10. Nurjehan	Transferred from North Malabar on 26th June 1903.				
	11. Dodamari					

* As per audited figures of the Accountant-General. † As reported by the Collector.
‡ Represents actual wages paid to the establishment from 1st July to 30th June and the actual value of the produce consumed by the elephants between these two dates.

Statement of Elephants during the year 1903–1904—*cont.*

PART II.

Elephants received in the year.

District.	Names.	When purchased or otherwise obtained by Government.		Cost of keep, including servants and food.	Remarks.
1	2	3		4	5
				RS. A. P.	
North Malabar.	1. Timur ..	Captured in May 1904 ..	..	32 2 8	....
	2. Haidar ..	Do. in July 1903 ..	..	112 12 9	*Vide* part III *infra*.
South Malabar.	1. Mayo ..	Captured in April 1904 ..	..	65 0 2	....
	2. Bhagavathi ..	Do. in June 1904 ..	..	..	....
The Nilgiris.	1. Jessie ..	Born to Chinna Lakshmi on 20th October 1903.	..	..	....
South Coimbatore.	1. Ravi ..	Captured in March 1902 in North Malabar and transferred therefrom in November 1903.	..	283 2 6	....
	2. Beas ..	Captured in February 1902 in North Malabar and transferred therefrom in November 1903.	..	274 14 4	....
	3. Sutlej ..	Captured in February 1902 in North Malabar and transferred therefrom in November 1903.	..	294 2 1	....
	4. Sirdar ..	Captured on 17th July 1903.	..	468 15 0	
	5. Rani ..	Do. on 18th Aug. ,,	..	370 0 4	....
	6. Kitti ..	Do. on 30th Sept. ,,	..	247 12 3	....

PART III.

Elephants gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.		Cost of keep, including servants and food.	How disposed of.
1	2	3		4	5
				RS. A. P.	
Kurnool ..	Captain Gunning ..	Purchased in July 1888 ..	..	652 1 8	Sold for Rs. 1,000 in May 1904.
North Malabar.	1. Sutlej ..	Captured in February 1902.	..	203 9 10	Transferred to Anamalais in November 1903.
	2. Beas ..	Do. do.	..	204 11 11	
	3. Ravi ..	Do. in March 1902 ..	..	208 13 6	
	4. Habib-ul-lah ..	Do. in April 1903 ..	..	110 8 1	Sold on 21st October 1903.
	5. Hubbard ..	Do. in May 1903 ..	..	880 12 8	Sold on June 1904.
	6. Ganga ..	Do. in June 1903 ..	..	79 7 8	Died.
	7. Sikandur ..	Do. do. ..	..	149 9 8	Sold in auction on 21st October 1903.
	8. Indus ..	Do. do. ..	..	118 6 7	
	9. Kaveri ..	Do. do. ..	..	119 8 8	
	10. Kabini ..	Do. do. ..	..	116 6 9	
	11. Bhavani ..	Do. do. ..	..	106 8 5	
	12. Haidar ..	Do. in July 1903 ..	..	112 12 9	
South Malabar.	1. Flora ..	Captured on 11th March 1902.	..	114 3 10	Sold in auction on 21st October 1903.
	2. Nelli ..	Do. on 19th March 1902.	..	66 9 11	
	3. Alexandra ..	Do. on 12th Jan. 1903.	..	11 1 3	Sold on 6th July 1903.
	4. Govindan ..	Do. on 7th March 1903.	..	11 1 3	
South Coimbatore.	1. Zelica ..	Transferred from North Malabar on 20th June 1902.	..	204 8 8	Died on 13th November 1903.
	2. Chumbee ..	Transferred from North Malabar on 26th June 1903.	..	285 4 0	Died on 5th January 1904.
	3. Lakshmi ..			353 2 1	Died on 21st February 1904.

FORM No. 64.

ABSTRACT showing the Value of Live stock, Stores, Tools and Plant for 1903–1904.

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	45	650	45	580	11	6	11	3
Ganjám	57	562	73	735	485	357	480	504
Vizagapatam	35	789	38	800	231	462	249	87
Gódávari	125	904	133	841	1,238	2,185	1,130	2,048
Kistna	77	1,040	86	1,783	320	261	366	602
Kurnool	166	778	166	778	905	887	1,319	2,134
Bellary	164	320	172	403	* 474	* 434	393	717
Anantapur	56	232	53	240	211	217	258	316
Total, Northern Circle ..	725	5,275	766	6,560	3,875	4,809	4,206	6,411
Central Circle.								
Direction	51	865	51	842	6	10	6	9
Cuddapah	104	845	115	803	447	683	444	649
Nellore	154	1,269	103	1,140	724	958	5,675	1,033
Chingleput	46	500	46	475	515	609	545	592
North Arcot	187	1,339	184	1,216	1,840 cwt. 32·94	2,456	1,970 cwt. 32·94	2,418
South do.	103	1,110	91	871	174	25	142	25
North Salem	78	560	80	604	645	485	661	562
South do.	99	940	109	1,254	1,749	1,400	884	903
Trichinopoly	47	204	48	197	183	174	235	204
Tanjore	25	65	23	92	57	21	49	26
Total, Central Circle ..	894	7,697	850	7,494	6,340 cwt. 32·94	6,821	10,611 cwt. 32·94	6,421
Southern Circle.								
Direction	56	818	55	805	14	51	15	54
South Canara	214	803	214	723	418	457	433	435
North Malabar	38	952	38	885	513	733	551	895
South do.	35	496	49	480	593	336	544	338
The Nilgiris	110	976	110	970	692	975	744	994
North Coimbatore	75	733	71	780	906	1,086	773	1,184
South do.	77	697	72	594	1,966	2,660	1,990	2,868
Madura	111	1,704	111	1,704	249	200	497	590
Tinnevelly	117	438	123	664	441	139	466	437
Total, Southern Circle ..	833	7,617	843	7,605	5,792	6,637	6,013	7,795
Grand Total, Presidency ..	2,452	20,589	2,459	21,659	16,007 cwt. 32·94	18,267	20,830 cwt. 32·94	20,627

* Forty-five bullock carts were wrongly included under live-stock in the return for the previous year.

Note.—The difference in the number and value in the opening balance is due to revised figures reported by the Collectors.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1903–1904.

Machinery				Furniture.				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	RS.		RS.		RS.		RS.		RS.		RS.
..	..	..	..	118	700	119	678	16	900	16	770
..	..	..	..	239	1,857	260	1,876	..	..	..	..
..	..	..	..	178	1,110	185	1,140	120	1,019	124	1,170
..	..	1	..	618	2,802	637	2,754	34	5,958	37	6,288
..	..	..	..	175	579	189	584	9	3,563	9	3,444
..	..	..	..	157	568	164	718	55	3,301	56	2,913
..	..	1	350	111	423	113	527	12	1,340	17	1,575
..	..	..	..	238	767	340	1,333	10	1,155	6	555
..	..	2	350	1,834	8,806	2,007	9,610	256	17,236	265	16,715
..	..	..	..	139	534	139	480	8	522	8	472
1	31	1	29	216	911	232	934	29	1,888	27	1,629
..	† 17,719	..	21,686	191	1,375	190	1,288	10	1,081	10	1,046
..	..	..	..	206	1,005	205	946	8	648	8	467
26	504	32	404	924	3,035	969	2,631	19	2,184	19	1,835
5	158	5	158	198	1,073	200	1,076	17	1,946	18	2,239
..	..	..	..	125	547	131	641	13	1,100	14	860
5	285	5	249	433	1,550	347	1,192	26	1,100	17	876
..	..	..	..	175	715	182	710	12	1,420	12	1,278
..	..	..	..	55	296	59	287	..	..	..	..
37	18,697	43	22,526	2,665	11,041	2,654	10,185	142	11,889	133	10,702
..	..	..	..	210	1,483	222	1,424	6	629	6	597
..	..	..	..	201	1,437	201	1,292	14	1,631	14	1,468
..	..	..	..	136	579	170	550	4	580	4	550
‡ ..	..	1	3	186	1,021	189	983	7	609	11	613
1	120	1	120	177	980	186	1,004	8	790	7	750
..	..	..	..	297	857	324	1,002	96	1,038	97	877
341	1,426	{ 662 7,950 ft. }	10,139	341	1,428	426	1,979	13	1,155	13	1,067
5	6	5	6	381	2,105	372	2,000	480	1,473	480	1,473
..	..	..	..	252	488	285	1,069	9	506	9	475
347	1,552	{ 669 7,950 ft. }	10,268	2,181	10,378	2,375	11,303	637	8,411	641	7,870
384	20,249	{ 714 7,950 ft. }	33,144	6,680	30,225	7,036	31,098	1,035	37,536	1,039	35,287

† Tramways. ‡ Transferred to other proper heads during the year.

Abstract showing the value of Live-stock

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	..	..	2	15
Ganjâm	48	17,105	53	18,636	..	..	..	..
Vizagapatam	56	7,370	59	7,565	1	..	1	..
Gódávari	105	33,846	105	33,196	1	900	1	900
Kistna	61	11,498	61	11,912	..	..	..	..
Kurnool	54	34,762	55	36,762	* 52	* 4,905	51	3,903
Bellary	26	3,982	27	4,525	44	1,698	47	1,831
Anantapur	12	13,310	12	13,385	..	..	..	..
Total, Northern Circle ..	362	1,21,873	372	1,25,981	98	7,503	102	6,649
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	122	19,439	123	19,311	2	56	2	56
Nellore	9	6,714	11	8,343	..	..	..	..
Chingleput	25	6,357	27	6,118	..	..	..	..
North Arcot	137	16,930	92	22,120	..	..	..	..
South do.	18	16,310	20	16,880	..	..	..	..
North Salem	15	7,500	14	7,000	..	..	..	..
South do.	19	8,900	21	10,278	..	..	..	..
Trichinopoly	8	3,314	8	3,159	..	..	..	..
Tanjore	7	360	4	356	..	..	..	..
Total, Central Circle ..	360	85,824	320	93,565	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	22	11,204	22	12,082	3	5,000	3	5,000
North Malabar	..	..	..	..	28	43,540	16	30,500
South do.	30	35,171	30	40,513	19	28,812	20	29,508
The Nilgiris	73	8,155	75	9,243	6	6,500	7	6,700
North Coimbatore	75	29,485	73	33,818	..	..	..	..
South do.	82	35,592	85	38,771	31	2,500	90	† 2,500
Madura	46	26,665	46	30,576	..	..	..	..
Tinnevelly	63	26,605	67	28,305	..	..	..	..
Total, Southern Circle ..	391	1,72,877	398	1,93,308	87	86,352	136	74,208
Grand Total, Presidency ..	1,113	3,80,574	1,090	4,12,854	187	93,911	240	80,913

* *Vide* remarks against column 18.

† This represents the value of only one elephant. The value of 16 other elephants and 73 bulls has not been reported on by the Collector.

Stores, Tools and Plant for 1903-1904—*cont.*

Miscellaneous.				Total.					
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	RS.		RS.		RS.		RS.	RS.	RS.
4	96	5	93	194	2,352	198	2,139	..	213
..	..	..	..	829	19,881	866	21,751	1,870	..
235	474	303	648	856	11,224	959	11,410	186	..
609	603	610	584	2,730	47,198	2,654	46,611	..	587
..	..	..	..	642	16,941	711	18,325	1,384	..
351	768	343	766	1,740	45,969	2,154	47,974	2,005	..
57	193	60	152	888	8,390	830	10,080	1,690	..
3	..	5	..	530	15,681	674	15,829	148	..
1,259	2,134	1,326	2,243	8,409	1,67,636	9,046	1,74,119	6,483	..
94	446	94	399	298	2,377	298	2,202	..	175
234	241	296	379	1,155	24,094	1,240	23,790	..	304
456	6,108	383	5,915	1,547	35,224	6,372	40,451	5,227	..
..	..	..	..	800	9,119	831	8,598	..	521
..	..	..	..	3,133 cwt. 32·94	26,448	3,266 cwt. 32·94	30,624	4,176	..
1,254	820	1,262	832	1,769	21,442	1,738	22,081	639	..
356	393	389	477	1,232	10,585	1,289	10,144	..	441
† ..	..	..	..	2,331	14,175	1,383	14,752	577	..
2,130	602	2,188	841	2,555	6,429	2,673	6,389	..	40
47	346	92	349	191	1,088	227	1,110	22	..
4,571	8,956	4,704	9.192	15,011 cwt. 32·94	1,50,981	19,317 cwt. 32·94	1,60,141	9,160	..
546	570	531	533	832	3,551	829	3,413	..	138
560	1,105	558	968	1,432	21,637	1,445	21,968	331	..
..	..	..	..	719	46,384	779	33,380	..	13,004
291	1,443	409	1,235	1,161	67,888	1,253	73,673	5,785	..
94	86	94	66	1,161	18,582	1,224	19,847	1,265	..
175	379	178	358	1,624	33,578	1,516	38,006	4,428	..
174	957	189	930	3.025	46,415	3,527 ft. 7,950	58,848	12,433	..
789	312	792	320	2,061	32,465	2,303	36,669	4,204	..
307	30	307	224	1,189	28,206	1,257	31,174	2,968	..
2,936	4,882	3,058	4,634	13,204	2,98,706	14,133 ft. 7,950	3,16,978	18,272	..
8,766	15,972	9,088	16,069	36,624 cwt. 32·94	6,17,323	42,496 cwt. 32·94 ft. 7,950	6,51,238	33,915	..

† *Vide* column 18.

Annual Form No. 65.

Tramway Statement.

Statement showing the results of transport of wood by tramway.

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	14,830	15,716	By depreciation at 6 per cent.	1,003	1,026
Add new stock	1,889	1,389	,, balance of stock	15,716	16,079
Total ..	16,719	17,105	Total ..	16,719	17,105

Revenue Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	945	1,436	By balance written off ..	3,249	4,170
,, road-making and repairs ..	591	528			
,, interest at 4 per cent. ..	669	684			
,, depreciation at 6 per cent. ..	1,003	1,026			
,, repairs to wagons	41	496			
Total ..	3,249	4,170	Total ..	3,249	4,170

—	1902–1903.					1903–1904.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	8,584	2½	21,460	3,249	0 2 5	7,344	4	29,376	4,170	0 2 3

—	1902–1903.			1903–1904.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	21,460	3,249	0 2 5	29,376	4,170	0 2 3
Estimated charges by coolies.. ..		28,166	1 5 0		38,556	1 5 0

Abstract.

Year.	Profit.	Loss.
	RS.	RS.
1889–90 ..	..	1,444
1890–91 ..	8,487	..
1891–92 ..	3,742	..
1892–93 ..	13,807	..
1893–94 ..	13,063	..
1894–95 ..	15,153	..
1895–96 ..	9,100	..
1896–97 ..	23,921	..
1897–98 ..	25,450	..
1898–99 ..	30,398	..
1899–1900 ..	23,176	..
1900–1901 ..	8,713	..
1901–1902 ..	27,918	..
1902–1903 ..	24,917	..
1903–1904 ..	34,386	..
Total ..	2,62,231	
Deduct loss ..	1,444	
Net profit ..	2,60,787	

Statement showing the results of transport of wood by tramway—*cont.*

I.—*Nellore District*—cont.

(ii) Casuarina Plantation Range.

Capital Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	14,558	14,197	By depreciation at 6 per cent. ..	906	935
Add new stock	545	1,389	,, balance of stock	14,197	14,651
Total ..	15,103	15,586	Total ..	15,103	15,586

Revenue Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	2,785	* 2,231	By balance written off	4,877	4,688
,, road-making and repairs	560	403			
,, interest at 4 per cent.	604	623			
,, depreciation at 6 per cent. ..	906	935			
,, repairs to wagons	82	496			
Total ..	4,877	4,688	Total ..	4,877	4,688

* Borne entirely by the contractor.

—	1902–1903.					1903–1904.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	$7,879\frac{1}{8}$	$8\frac{1}{2}$	$22,285\frac{1}{8}$	4,877	0 3 6	$2,511\frac{27}{40}$ $4,836\frac{28}{40}$ $3,010\frac{10}{40}$ $1,327\frac{5}{40}$ $11,685\frac{3}{4}$	1 2 1 2 6	$2,511\frac{27}{40}$ $9,673\frac{2}{5}$ $3,010\frac{1}{4}$ $2,654\frac{1}{4}$ $17,849\frac{23}{40}$	4,688	0 4 2

—	1902–1903.			1903–1904.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	$22,285\frac{1}{8}$	4,877	0 3 6	$17,849\frac{23}{40}$	4,688	0 4 2
Estimate charge by coolies		29,249	1 5 0		23,428	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1885–86	1,735	..
1886–87	5,030	..
1887–88	..	536
1888–89	6,272	..
1889–90	545	..
1890–91	7,323	..
1891–92	4,646	..
1892–93	5,290	..
1893–94	5,351	..
1894–95	5,261	..
1895–96	4,826	..
1896–97	3,981	..
1897–98	7,000	..
1898–99	3,224	..
1899–1900	13,275	..
1900–1901	22,553	..
1901–1902	14,525	..
1902–1903	24,372	
1903–1904	18,740	..
Total ..	1,53,949	
Deduct loss ..	536	
Net profit ..	1,53,413	

Statement showing the results of transport of wood by tramway—*cont.*

II.—*South Coimbatore District.*

Capital Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	35,109	33,203	By depreciation at 6 per cent.	2,119	2,069
,, repairs to tram-trucks	113	1,282	,, balance of stock	33,203	32,416
,, extension of tram-line to the head of the wire ropeway	100	..			
Total ..	35,322	34,485	Total ..	35,322	34,485

Revenue Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	1,952	2,175	By balance written off	6,643	8,912
,, depreciation at 6 per cent. ..	2,119	2,069			
,, interest at 4 per cent.	1,413	1,379			
,, repairs to tram-road	339	397			
,, cost of feed and keep of bullocks employed in tramming ..	820	2,892			
Total ..	6,643	8,912	Total ..	6,643	8,912

—	1902–1903.					1903–1904.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done.	$44\frac{37}{40}$ tons (1,797 c. ft.).	4	180	6,643	2 4 8	$258\frac{12}{40}$ tons (10,332 c. ft.).	4	1,033	8,912	1 4
	$44\frac{33}{40}$ tons (1,793 c. ft.).	$5\frac{1}{2}$	247			$676\frac{25}{40}$ tons (27,065 c. ft.).	$5\frac{1}{2}$	3,721		
	$393\frac{39}{40}$ tons (15,759 c. ft.).	3	1,182			114 tons (4,560 c. ft.).	$3\frac{3}{4}$	428		
	$178\frac{19}{40}$ tons (7,139 c. ft.).	3	535			$119\frac{38}{40}$ tons (4,798 c. ft.).	$5\frac{1}{4}$	630		
	$251\frac{12}{40}$ tons (10,052 c. ft.).	3	754			$97\frac{19}{40}$ tons (3,899 c. ft.).	4	390		
						$235\frac{4}{40}$ tons (9,404 c. ft.).	3	705		
Total ..	913		2,898			$1,501\frac{18}{40}$		6,907		

—	1902–1903.			1903–1904.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	2,898	6,643	2 4 8	6,907	8,912	1 4 8
Estimated cost of carting	2,898	3,019	1 0 8	6,907	7,195	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,200	..
Cost of extension of road beyond Sangam (now saved)	..	310	..	..	310	..
Total estimated cost of carting ..	..	4,529	..	..	8,705	..
Loss ..	..	2,114	..	..	207	..
Add up to 1902–1903 ..	..	..	..	..	31,764	..
Total loss ..	..	..	..	..	31,971	..

ANNUAL FORM NO. 72-A (OLD CODE).

Forest Department, Madras Presidency.

MONEY value of sales of timber, fuel and bamboos cut, collected and removed by Consumers or Purchasers during 1903–1904.

District.	Timber.	Firewood and charcoal.	Bamboos.	MONEY VALUE OF SALES. Timber. Amount of sales.	Timber. Amount actually realized during the year.	Firewood and charcoal. Amount of sales.	Firewood and charcoal. Amount actually realized during the year.	Bamboos. Amount of sales.	Bamboos. Amount actually realized during the year.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	289,726	454,873	1,448,620	13,325	13,325	6,457	6,457	5,725	5,725
Vizagapatam	61,327	156,893	1,215,450	4,626	(a) 4,618	4,557	4,557	9,574	9,574
Gódávari	333,631	818,250	7,702,160	36,085	36,085	18,615	18,615	38,260	38,260
Kistna	183,515	400,837	408,520	13,191	13,191	13,060	12,440	3,266	3,266
Kurnool	203,335	452,406	5,062,142	21,242	21,242	17,073	(b) 17,038	22,431	(b) 22,417
Bellary	* 108,446	* 267,489	90,000	7,015	(c) 6,954	5,016	(c) 4,921	1,795	(e) 1,693
Anantapur	30,500	147,684	22,240	5,447	5,447	2,729	2,729	376	376
Total ..	1,210,480	2,698,432	15,949,132	1,00,931	1,00,862	67,507	66,757	81,427	81,311
Central Circle.									
Cuddapah	188,355	542,081	1,622,240	15,383	(d) 13,721	10,072	(d) 9,811	5,726	5,726
Nellore	46,433	561,708	10,350	5,322	5,309	57,387	(e) 33,568	25	25
Chingleput	47,587	169,272	3,031	3,589	3,589	10,450	8,542	56	56
North Arcot	33,602	621,144	4,270,054	4,579	5,340	12,298	17,018	26,756	28,447
South do.	40,842	693,905	247,098	5,106	5,106	43,210	(f) 40,258	100	100
North Salem	90,951	460,756	2,871,080	5,851	† 5,903	10,958	9,904	9,014	8,493
South do.	181,774	210,555	5,362,275	11,938	11,938	6,892	6,892	26,388	24,472
Trichinopoly	45,404	1,289,347	135,964	3,524	3,524	32,267	31,993	1,415	1,415
Tanjore	15,446	543,150	2,353	1,016	965	12,411	10,382	262	262
Total ..	690,394	5,091,918	14,524,445	56,308	55,395	1,95,945	1,68,368	69,742	68,996
Southern Circle.									
South Canara	116,286	339,823	75,180	3,869	3,883	11,338	11,229	1,128	1,128
North Malabar	71,617	2,800	19,761	3,385	3,382	44	171	379	377
South do.	191,989	69,456	84,820	18,460	14,553	5	6	1,716	1,716
The Nilgiris	26,624	52,166	145,347	5,629	5,629	3,118	(g) 3,100	1,269	1,269
North Coimbatore ..	24,693	263,056	2,749,220	2,399	(h) 2,259	10,835	10,869	6,743	(h) 6,562
South do.	31,068	457,847	2,485,070	15,883	15,209	12,185	12,185	11,487	10,030
Madura	70,746	786,897	151,863	6,328	(i) 6,284	42,563	42,059	4,799	4,799
Tinnevelly	42,959	1,163,224	4,860	50	1,553	63,986	63,489	933	650
Total ..	575,982	3,135,269	5,716,121	56,003	52,752	1,44,074	1,43,108	28,454	26,531
Grand Total ..	2,476,856	10,925,619	36,189,698	2,13,242	2,09,009	4,07,526	3,78,233	1,79,623	1,76,838

* Includes confiscated produce.

† An amount of Rs. 50 transferred to II (*e*) in Accountant-General's No. A.C.X—245, dated 25th February 1904, has been omitted to be taken into account by the Accountant-General in furnishing these figures.

Note.—The figures in columns 6, 8 and 10 are the audited figures of the Accountant-General as per Form 59.

(*a*) The Collector's figure is Rs. 4,626 and the Collector has reported that the cause of the variation between his figure and that of the Accountant-General cannot be traced in the District Forest-office.

(*b*) The Collector's figures are Rs. 17,073 and Rs. 22,431, respectively, and the variations are explained to be due to certain alterations proposed by the District Forest-officer during September and November 1903 not having been carried out by the Accountant-General.

(*c*) The Collector's figures are Rs. 7,015, Rs. 5,016 and Rs. 1,795, respectively. The variation has not been explained by the Collector.

(*d*) The Collector's figures are Rs. 13,725 and Rs. 9,593 respectively. The variation has not been explained by the Collector.

(*e*) The Collector's figure is Rs. 43,420. The variation is explained to be due to the Accountant-General not having taken into account a sum of Rs. 9,852 being remittances made into the Bank of Madras in the month of June 1904.

(*f*) The Collector's figure is Rs. 40,103 and the Collector is unable to make out how the Accountant-General arrived at the figure Rs. 40,258.

(*g*) The Collector's figure is Rs. 3,118 and the variation is reported to be due to the alterations approved by the Accountant-General in his O.M. A.M.-6/5.-F., not having been carried out in the latter's office.

(*h*) The Collector's figures are Rs. 2,399 and Rs. 6,743, respectively, but the variation has not been explained.

(*i*) The Collector's figure is Rs. 6,328, but the variation has not been explained.

Annual Form No. 72-B (Old Code).

Forest Department, Madras Presidency.

Timber and other Produce Confiscated and Sold during the year 1903–1904.

District.	Timber.		Firewood.		Bamboos.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS		RS.		RS.	RS.	RS.	RS.
Ganjám	3,132	624	559	17	2,037	6	2	649	661
Vizagapatam ..	43	11	143	8	1,485	9	..	28	28
Gódávari	* 3,168	3,700	321	2	..	..	..	3,702	4,155 (for both)
	6,176	393	560	40	1,536	8	12	453	
Kistna	394	26	..	..	..	..	1	27	27
Kurnool	2,372	679	1,150	68	41,827	216	156	1,119	1,119
Bellary	12	3	1,444	23	..	..	61	87	88
Anantapur	..	..	..	..	..	..	..	..	..
Total ..	15,297	5,436	4,177	158	46,885	239	272	6,105	6,118
Central Circle.									
Cuddapah	914	278	781	30	1,140	2	9	319	377
Nellore	5,140	505	1,688	64	6	..	66	635	635
Chingleput	107	38	384	24	..	..	7	69	69
North Arcot ..	530	96	1,096	62	1,124	7	139	304	304
South do. ..	688	82	1,376	46	1,000	9	108	245	247
North Salem	696	166	2,283	13	1,640	8	4	191	191
South do.	506 † 8	136	1,673 ‡ 47	113 8	4,175	20	113	390	390
Trichinopoly ..	850 † 2	100	298	14	71	13	94	221	221
Tanjore	74	4	65	2	..	..	2	8	8
Total ..	9,515	1,405	9,691	376	9,156	59	542	2,382	2,442
Southern Circle.									
South Canara ..	6,149	829	8,119	314	41	2	563	1,708	1,710
North Malabar ..	1,924	246	..	..	..	..	..	246	211
South do. ..	3,321	1,791	..	..	..	..	..	1,791	1,791
The Nligiris ..	40	1	45	2	240	10	7	20	20
North Coimbatore ..	815	229	296	17	1,166	19	3	268	226
South do. ..	1,573	414	664	51	1,901	39	1	505	505
Madura	529	191	2,438	218	6	1	155	565	565
Tinnevelly	678	594	25,766	1,140	..	..	29	1,763	1,763
Total ..	15,030	4,295	37,328	1,742	3,354	71	758	6,866	6,791
Grand Total ..	39,842	11,136	51,196	2,276	59,395	369	1,572	15,353	15,531

Add outstanding at close of 1902–1903 ..	513
Total ..	15,866
Deduct amount realized as per Form No. 59 ..	15,531
Balance outstanding on 30th June 1904 ..	335

* Driftwood and fuel. † Sandalwood. ‡ Charcoal.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 228, dated 14th November 1904:—

The Hon'ble Mr. C. J. WEIR, I.C.S.,
Commissioner of Land Revenue.

Resolution—Forest No. 228, dated 14th November 1904.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1904.

2. In accordance with the last clause of section 258 of the Forest Code the report has been drawn up by Mr. E. D. M. Hooper, the Senior Conservator of Forests.

3. The work and services of the superior officers are, with very few exceptions, spoken well of both by Collectors and Conservators. The member of the Board at present in charge of Forests did not take over those duties until the end of the year now under review. He has, however, much pleasure in reporting that the officers commended for their work in 1902–1903, have continued to merit praise during the period he has held charge, and that the Conservators have discharged their duties with zeal and ability.

(True Extract.)

(Signed) N. MACMICHAEL,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

ORDER—No. 29, Revenue, dated 12th January 1905.

Forest No. 3.

The report on the Administration of the Forest Department during 1903–1904 has been drawn up on the lines presented by the Government of India in Mr. Wilson's letter No. 10 F., dated 5th August 1904. The Government would however draw the particular attention of the Board to the instructions contained in paragraphs 2, 3 and 4 of the memorandum attached to that letter, and would again request that a greater endeavour be made to avoid the detailed recitation of ordinary trivial incidents of administration. In chapter II, for example, there are very many instances of the record of petty details of the working of particular forests, which are neither of special interest, nor of sufficient importance to deserve mention in the annual report.

2. The chief features of the year's work will be briefly reviewed.

CONSTITUTION OF STATE FORESTS.

3. *Extension of area and settlement.*—The net addition during the year to the reserved area was 104 square miles. Of the total extent of 19,559 square miles under control at the end of the year, 17,923 square miles had been finally constituted reserved forest, while 167 square miles were leased forest not requiring settlement.

There remained for final settlement 1,119 square miles of land notified under section 4 of the Forest Act, and 350 square miles of land reserved under section 26 of the Act, to which may be added about 264 square miles, which it is proposed to bring under the control of the department, though no formal steps have yet been taken towards their reservation. The area actually settled during the year was 317 square miles, but in addition to this the settlement of 265 miles is reported to have been practically completed. The work done compares somewhat unfavourably with that of the previous year, which was in itself not satisfactory. It seems clear that with the present rate of progress the work of settlement will be far from complete by the end of March 1905, the date on which the employment of the special establishment should cease. The Board will be requested separately to report on the advisability of extending the term of the appointments of the Forest Settlement-officers.

4. *Demarcation.*—A thousand miles of boundary were demarcated during the year at a cost of about Rs. 15 per mile. The total length demarcated remains at 95 per cent. of the mileage requiring artificial definition.

5. *Survey.*—Two parties of the Survey Department of the Government of India continued to work in the Presidency throughout the year. Both their outturn and the cost of the work done compare unfavourably with the results of the previous year, the reason given being the difficulty of obtaining labour and the generally adverse conditions of the country in which operations were carried on. The survey of the Mysore-South Canara boundary is now in progress.

Various minor survey operations were carried out departmentally. At the end of the year maps had been prepared for 66 per cent. of the reserved forests, and the extent still remaining to be taken up for survey was 1,289 square miles or 7 per cent. of the total area.

MANAGEMENT OF STATE FORESTS.

6. *Working-plans.*—There was again a slight decrease in the area newly brought under the control of sanctioned working-plans. In the Southern Circle where no officer was available for special deputation for the work, progress was very small, in the other two circles it was on the whole satisfactory. By the end of the year rather more than a quarter of the total forest area was being worked under sanctioned plans, and plans were in preparation or awaiting sanction for another fifth. More than half the area, therefore, still remains to be dealt with, the Northern and Southern Circles being about equally behind-hand in this respect. It is hoped that when effect has been given to the arrangements sanctioned in G.O., No. 443, dated 29th April 1904, by which an Extra Assistant Conservator is to be deputed to special duty in each circle in addition to an Imperial officer, better progress will be possible in this important branch of work, but the department is no doubt hampered by dearth of officers.

7. *Communications and buildings.*—The expenditure on communications and buildings (Rs. 99,067) differed little from that of the previous year, and continued to be adequate. The timber tramway in South Coimbatore was again run at a loss, but the deficit this year was insignificant. The wire ropeway at Mount Stuart was also worked at a loss. It is observed that, as in the preceding year, the programmes of construction of roads and buildings in North Arcot and South Salem were not fully carried out.

8. *Protection of Forests—General.*—The total number of offences reported fell from 23,125 to 21,883, the decrease occurring mainly in the offences against the grazing rules. Undetected cases amounted to 7 per cent. of the total. Of the rest, 87 per cent. were disposed of during the year, 6·5 per cent. being withdrawn, 2·5 per cent. ending in acquittal, 25 per cent. in conviction and 53 per cent. being compounded. The figures show that, while offences were less than in the previous year, a larger proportion of the total was successfully prosecuted before the magistracy, and to this extent the results may be considered satisfactory. On the other hand it is to be regretted that the percentage of undetected crime increased, especially in cases of injury to forests by fire. The reasons given by the District officers for variations in the statistics of crime are as usual neither convincing nor consistent. An increase in the number of cases reported is considered a sign of corruption when, as in Anantapur, accompanied by a fall in the grazing revenue, but of energy in Coimbatore and elsewhere. This diversity of opinion is in itself sufficient proof of the danger of judging

the efficiency of a district establishment by its activity in prosecution. The question has been dealt with at length in G.O., No. 1346, dated 8th December 1904. It will suffice here to repeat the opinion of the Government that the criterion should be the success achieved in protecting the forest, and that the policy of the local officers should be to aim at the more effective prevention of crime by improving the *morale* of the subordinate staff and providing for stricter supervision.

9. *Protection from fire.*—The protected area increased from 5,545 square miles to 5,641 square miles, but the proportion of failure rose slightly from 9·27 per cent. to 9·5 per cent. In specially-protected areas the proportion of failure remained the same as last year, 8·5 per cent. Kurnool and Cuddapah again suffered most heavily so far as protected areas were concerned. In the forests as a whole, there was a very large increase in the area reported to have been burnt, the total rising to 500,000 acres. The Government recognise the immense difficulties that confront the department, and agree that much progress can hardly be expected in this important branch of protection, until the sympathy and co-operation of the people using the forests have been enlisted. They would be glad to have a special report on the measures which it has been proposed to adopt in Cuddapah and Kurnool. The policy of enhancing grazing fees, as a punishment for damage caused by graziers, which was approved in G.O., No. 1092, dated 2nd November 1903, seems to have met with success in some districts and might be resorted to more extensively.

10. *Protection from cattle.*—The area closed to all cattle throughout the year fell to 8½ per cent. of the total, 1,696 out of 19,559 square miles; the area open to grazing amounted to 87·8 per cent. and that open to goat-browsing to 3·6 per cent. The total number of cattle licensed was 3,320,495 being approximately the same as in the previous year. While adequate attention was thus paid to the needs of cattle owners, it is gratifying to note that illicit grazing seems to have decreased, judging by the number of cattle impounded, and this, notwithstanding that enhanced grazing fees were levied in more districts than previously.

In consequence of the great danger to which the browsing of goats exposes the forests, it has been found necessary of late years to impose considerable limitation on the admission of these animals, and as a result of the enforcement of these restrictions, some owners in Cuddapah and Trichinopoly are said to have sold their goats. The fact that in three taluks of Cuddapah the number of permits issued was more than five times as great as in the preceding year, shows that it is not necessary to infer that the enhancement of the grazing fees for goats was prohibitive, but the matter should receive the careful attention of the Collectors of the districts concerned. The results of the introduction of the *Kancha* system of regulating grazing in Nellore were satisfactory.

11. *Sylviculture.*—Natural reproduction continued to be satisfactory in most of the areas successfully protected, but in Kurnool and Cuddapah the effects of fire were disastrous. The difficulty of combating thickness of under-growth, combined with absence of light, continued to hamper the reproduction of teak from seed.

The area of regular plantation added during the year was 231 acres, including 116 acres of teak at Nilambúr. Fifty-five acres of *taungya* plantation were formed in North Malabar and Gódávari. Cultural operations comprising sowing and planting in natural forest, improvement fellings, etc., seem to have been carried on as usual, but in the absence of any indication of the object of the various operations recorded, or of their place in the scheme of the working of particular forests, it is difficult to judge of their value in relation to the needs of the district.

Experimental arboriculture continued on rather unsystematic lines and without much apparent success. Good results, however, seem to have been obtained with mahogany in Tinnevelly and Malabar and with *Swietenia Macrophylla* in North Malabar and Madura. Of the various kinds of rubber plants tried, none seem to have been very successful. The Government await the Board's report on the question of systematising the experiments and concentrating them in selected localities.

They would suggest to the Board the advisability of publishing in the form of a bulletin, to be issued by the Agricultural Department, any information of value obtained with respect to the casuarina fungus or other pests and diseases which attack trees of economic importance.

12. *Working and outturn.*—The forests were worked on the same system as before, the bulk of the exploitation being by private contractors and right holders, and unregulated working being confined to unreserved areas and to inferior classes of forest produce. In the exploitation of timber, departmental operations increased slightly in proportion to those of private purchasers. The total output amounted to rather under 2 million cubic feet of timber, and 17½ million cubic feet of fuel, both figures showing a slight decrease under those of the previous year. On the other hand the number of bamboos extracted increased by 3 per cent. and the value of minor produce, including grazing, by 10 per cent. Though the amount of timber extracted departmentally during the year fell from 442,000 to 320,000 cubic feet, there was an increase of nearly 100,000 cubic feet in the amount disposed of in the Southern Circle. The Conservator of that Circle, Mr. Brasier, made a special enquiry into the question of the improvement of the commercial working of the forests under his charge, and his very practical suggestions were accepted by the Board and Government (*vide* G.O., No. 479, dated 10th May 1904). It is understood that arrangements have since been made for carrying many of them into effect, and that the department will shortly complete its negotiations for supplying timber to the Kolar Mines. It is hoped that in the current year these departmental operations will be successfully developed.

The decrease in the extraction of fuel is due to the cheapening of coal and its more extensive use by Railway Companies. There is little information in the report about the supply of firewood to the population at large and the ryots in particular. The establishment of firewood depots in towns is a step in the right direction, but these depots do not touch the rural inhabitants. The matter was considered by the Board in 1902 (G.O., No. 878, dated 29th September 1902), and should continue to receive careful attention.

Under the head minor produce, the bulk of the revenue was derived from grazing fees, sale of grass, etc., the receipts being slightly more than in the previous year.

Manure leaves were supplied to cultivators in several districts and special arrangements were made to encourage the growth of such leaves in Chingleput, North Arcot, South Salem, Madura and Tinnevelly. The question of the adequacy of the supply was made the subject of a special report (G.O., No. 676, dated 29th June 1904), and the Government are glad to observe that this very important matter is receiving careful attention and trust that means will be found to place a cheap supply of green manure within the reach of the cultivators.

There was again little demand for fodder. The special experiments in hay-making, initiated at the instance of the Government of India with the object of testing the feasibility of providing a special supply of fodder in times of drought, failed to yield much result. Though considerable quantities of hay were collected at most of the stations there was very little demand for it, probably on account of the abundance of natural fodder during the year. The cost of collection varied from nearly Rs. 19 per ton in Kistna to under Rs. 4 in Coimbatore and the prices realized from Rs. 18 to Rs. 21. The experiments should be continued and efforts made to improve the quality and cheapen the cost of production and transport of the hay.

Amongst free grants of forest produce may be mentioned the extensive grants of timber for building and other domestic purposes made to the ryots who suffered from the floods of December 1903 in Cuddapah, Salem and North and South Arcot. The Board will be requested to report separately on the success of the experiments made in manufacturing agricultural and building materials in Kurnool and Cuddapah for sale to the public.

Financial Results.

13. The gross revenue rose to Rs. 26,90,571 being an increase of 4 per cent. on the last year's figure and of 17 per cent. on the average for the previous three years. Expenditure decreased from Rs. 18,26,555 to Rs. 17,92,425. The net result was a surplus of nearly 9 lakhs against 7½ lakhs in the last year, and an average of 6¼ lakhs for the previous three years. Of the expenditure, about 44 per cent. was devoted to the upkeep and improvement of the forests, and 56 per cent. to exploitation. Departmental exploitation yielded a profit of 22 per cent. against 18 per cent. in the

previous year. The Southern Circle showed a profit of $1\frac{1}{4}$ lakhs. The chief reason for the decrease in expenditure was the fall in the amount paid for compensation for land acquired to extend the reserved area.

The collections during the year were satisfactory—at the beginning of the year outstandings amounted to Rs. 1,81,058 and the value of sales, etc., during the year was Rs. 26,92,740. Out of the total of Rs. 28,73,798, Rs. 26,90,571 were collected and Rs. 920 written off, leaving a balance outstanding of Rs. 1,82,707.

GENERAL.

14. *Establishment.*—There was no change in the sanctioned permanent establishment. Two deaths occurred in the Upper Controlling staff (Provincial service), and the services of one officer of the Imperial service were dispensed with.

The division of Kurnool district into two forest charges was sanctioned in March 1904, and in December 1903 the North Salem division was constituted a charge of *major* control. To provide for the additional staff required by these charges and to fill the vacancy in the Imperial service and generally to obviate the difficulty experienced in manning the district charges with the sanctioned establishment, the Government of India were asked to sanction the creation of two additional posts of Deputy Conservator, and to recruit in all six additional officers. Three Assistant Conservators have since been posted to the Presidency, but the question of the creation of the additional Deputy Conservatorships has been referred back for further consideration, and the transfer of the post of Assistant Conservator from the Punjab establishment, promised in the Circular from the Government of India No. 17/56 F., dated 4th November 1896, is still awaited. The department is still, the Government consider, inadequately manned; and difficulty is experienced in complying with applications for leave.

The superior staff continued to work well, and His Excellency the Governor in Council is pleased to notice the favourable reports on most of the District Officers. The conduct of the subordinate executive and protective staff on the other hand showed little improvement. The scheme for the institution of local schools of instruction for Foresters and other subordinates has, with certain modifications, been approved and referred back to the Board for detailed proposals. It is hoped that if it is brought into operation, it will have some effect in improving the *morale* of the subordinates attending the schools, and in instilling into them a greater interest in their profession. The Government have also suggested to the Board the advisability of increasing the number of Rangers, since the present establishment seems insufficient to supply the needs of existing Ranges, and it is undesirable to place junior officers in the responsible position of sole charge of a range.

15. The year's administration as a whole may be considered as one of satisfactory progress. The detailed investigation made by the Forest Member (the Hon'ble Mr. H. A. Sim) into the complaints alleged by the people of Anantapur afforded ample evidence that the legitimate interests of the people are carefully studied, and that the increased revenue derived from the State forests, and the increased protection secured to the reserves, do not entail any corresponding hardship to the ryot.

(True Extract.)

(Signed) J. N. ATKINSON,
Ag. Secretary to Government.

To the Board of Revenue (Land Revenue).
„ the Accountant-General.